

**QUALITY THAT NEVER
GETS OUT OF TIME**



ABOUT US

Pooja Plast Pvt Ltd, established in Year 1993 as Pooja Plast (Proprietorship) by our MD Mr. Vijay Kumar Hotlani. Starting with PU Sleeves for better abrasion and heat resistance with his wife and also director Mrs Pooja Hotlani, he has gained tremendous experience and expertise in any kind of TPU Extrusion and processing. After getting mastery in TPU extrusion in year 2000 we developed Pneumatic tubes which we have been supplying to those who believe in quality and performance. We majorly focus on the customers who are quality conscious and expect long term sustainability of the same.

Apart from the PU Tubes we have expertise in any kind of extrusion profile like PU Sleeves, Cords, etc. Nylon and Anti Spatter Tubes are also our one branch of extrusion products.

After mastery into PU Extrusion we have extended our hand, under the supervision and technical knowledge of Mr Nikesh Hotlani (Director), into manufacturing of Thermoplastic hydraulic hoses such as R7, R8 hoses and lubrication hoses and many more.

We are also keen to make any new developments or bring any kind of changes in our existing product range as per customer specifications. We push our limits to serve you to the best of our abilities.

Feel free to contact us for any kind of query or any kind of new requirements. With help of our customers and vendors we can bring big change to this world or at least be the smallest part of that change.

Infrastructure

We have 4 lines for extrusion machines made as per special german designs with the help of highly expert machine manufacturers around the globe. Among which 2 are dedicated for Pneumatic Tubes and one is dedicated for covering of hoses and sleeves and one for all other extrusion profiles. With total production capacity of 20 Metric Ton per month

We have well equipped material drying system from one of the best in the field and german made melt pump installed on each extruder for uniform flow of the melt material. Also all machines are equipped with automated laser gauge systems to measure and control dimension of any production.

Separate Lab for testing of raw materials and finished goods multiple times in a batch. With the facility to accommodate the tests such as Hardness Test MVR test, Burst pressure test, Bulge test, Pressure hold test

We are ISO 9001 certified through one of the most reputed standardization organization, BUREAU VERITAS and NABCB. Hence all our instruments are well calibrated and we work as per the ISO standards which makes our management more precise and accurate and hence our product supply system with minimal chances of rejection or error and helps us maintaining the quality of our product.

We have well established system of quality check and inspection of the finish product which helps us eliminate any kind of mistakes or rejections and makes our product more fine accurate and precise in terms of dimensions or any other technical features. This enables us to be able to supply into OEMs (original equipments and machines) without any error or flaws in product and delivery which establishes and maintains uninterrupted supply chain.





PRODUCT RANGE AND SPECIFICATIONS

POLYURETHANE TUBING (PP10 SERIES)

Features :

- Extremely light in weight.
- Flexible like rubber over wide range of temperature and due to its good resistance to shock & abrasion enables the user safe and easy manipulation of the machinery.
- It also resists to oil, grease, chemicals and ozone.

Application :

- Automobile
- Textile
- Chemical
- Food
- Instrumentation
- Pneumatic Control System



Construction :

Single Layer Polyurethane Tube.

Blue, Black, Red, Yellow, Transparent. (Other Colours available on request)

Technical Specifications :

Part No.	O.D. (M.M.)	I.D. (M.M.)	Burst Pressure	Working Pressure	Bending Radius
PP10-001	4	2	30	10	10
PP10-002	4	2.5	30	10	10
PP10-003	6	4	30	10	16
PP10-004	8	5	30	10	22
PP10-005	8	5.5	30	10	21
PP10-006	8	6	30	10	20
PP10-007	10	6.5	30	10	35
PP10-008	10	7	30	10	25
PP10-009	10	8	30	10	50
PP10-010	12	8	30	10	35
PP10-011	12	9	30	10	45
PP10-012	12	10	30	10	45
PP10-013	14	10	30	10	45
PP10-014	16	11	30	10	50

POLYURETHANE COILED HOSE (PP20 SERIES):

Features :

- Extremely light in weight.
- Flexible like rubber over wide range of temperature
- Due to its good resistance to shock & abrasion enables the user safe and easy manipulation of the machinery.
- It also resistant to oil, grease, chemicals and ozone.

Application :

- Automobile
- Textile
- Chemical
- Food
- Instrumentation
- Pneumatic Control System

Construction :

Polyurethane, Blue, Black, Red, Yellow (Other Colours available on request)



Technical Specifications :

Part No.	O.D. (M.M.)	I.D. (M.M.)	O.D. Of Coiled Hose	Length Of Long Straight Selection (mm)	Length Of Short Straight Selection (mm)	Size (Mtr.)
PP20-01	4	2	24	300	100	100
PP20-02	6	4	32	300	100	100
PP20-03	8	5	45	500	100	100
PP20-04	8	5.5	45	500	100	100
PP20-05	8	6	45	500	100	100
PP20-06	10	7	65	500	100	100
PP20-07	12	8	75	500	100	100

NYLON TUBES (PP30 SERIES)

Nylon Tubes as replacement of PU Tube where better burst pressure and low flexibility is required. These are basically extruded from nylon 6 and nylon 66. Having the deep experience we provide high quality nylon tube in wide range. Its manufactured with high-tech machines and prime quality raw materials controlling and measuring all necessary dimensions with US and German made control systems ensuring high quality end product.

Features :

- Minimal flexibility
- Higher burst pressure
- Multiple colours available as per customer requirement
- High tensile strength and excellent coupling
- Retention in high pressure, temperature and Vibration environments
- Good abrasion & impact resistance
- Thickness uniformity through out length
- Stiffness and strength at high temperatures.
- Smooth finish
- Light weight
- High durability



Application :

- High pressure pneumatics
- Marine control systems
- Lubrication systems
- Chemical processing line

Technical Specifications :

Part No.	OUTER DIAMETER (MM)	INNER DIAMETER (MM)	WALL THICKNESS (MM)	MIN. BURST PRESSURE (KG/CM ²)	WORKING PRESSURE (KG/CM ²)	BEND RADIUS (MM)	STANDARD LENGTH (METERS)
Pp30- 01	4	2	1	250	65	10	100
PP30- 02	6	4	1	120	30	16	100
PP30- 03	8	5	1.5	150	39	22	100
PP30- 04	8	5.5	1.25	110	28	21	100
PP30- 05	8	6	1	84	21	20	100
PP30- 06	10	6.5	1.75	115	28	35	50
PP30- 07	10	7	1.5	109	27	25	50
PP30- 08	10	8	1	63	15	50	50
PP30- 09	12	8	2	90	25	35	50
PP30- 10	12	9	1.5	84	21	45	50
PP30- 11	14	10	2	75	20	45	50
PP30- 12	16	11	3	90	25	50	50

ANTI SPATTER TUBES (PP40 SERIES)

Anti Spatter tubes for use in welding machine environment to avoid damages from weld spatters and increase the abrasion resistance. PU Tube covered with spark resistant elastomer.

Features :

- Welding spatter resistance
- Spark resistance
- Abrasion resistance
- High flexibility
- Minimal bend radius

Application :

- Welding machines
- Robotic welding applications

Technical Specifications :

Part No.	OUTER DIAMETER (MM)	INNER DIAMETER (MM)	INNER TUBE ID (MM)	WALL THICKNESS (MM)	WORKIN PRESSURE (BAR)	BURST PRESSURE (BAR)	BEND RADIUS (MM)
PP40-01	8	6	4	1	10	36	15
PP40-02	10	8	5	1.5	10	36	20
PP40-03	12	10	6.5	1.75	10	36	30
PP40-04	14	12	8	2.0	10	36	35



PNEUFLEX

THERMOPLASTIC HYDRAULIC HOSES

We have developed a wide range of Hydraulic hoses which are basically used for high pressure air or fluid transmission with a wide range of benefits, features and applications. Keep scrolling through to learn more about them. Feel free to contact our experts for any kind of queries or customizations.

MEDIUM PRESSURE SAE100 R7 HOSE (PP100 SERIES)

APPLICABLE STANDARD:

SAE100R7 / DIN EN 855 R7 / ISO3949



Features :

- Wide range of working temperature.
- High flexibility, high pressure rating, high lifecycle
- Enormous strength because of reinforcement
- Great abrasion and shock resistance
- Compatible with hydraulic oils, grease, fuel oils, mineral oils and most phosphate esters.
- Twin lines and multi lines with different hose combinations and sizes are available
- Change in length at working pressure $\pm 2\%$

Application :

- Suitable for hydraulic applications
- Agriculture machineries
- Earthmovers
- Articulating
- Telescopic booms
- Material handling equipment
- General hydraulic systems that may contact high voltage sources
- Aerial equipment
- Mobile hydraulics
- Rescue apparatus and tools

Construction :

- **CORE** : Thermoplastic Elastomer Smooth Core
- **REINFORCEMENT** : Single or Double Braided Synthetic Fiber
- **COVER** : Polyurethane, Black Color (Pin tricking Other Colors available on request)

Technical Specifications :

PART NO.	DASH SIZE	DN	HOSE ID		HOSE OD		WORKING PRESSURE		BURST PRESSURE		MIN BAND RADIUS	
	-	-	INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	INCH	MM
PP100-2	-2	3	1/8	3.2	0.325	8.3	3045	210	12180	840	0.87	22.0
PP100-3	-3	5	3/16	4.8	0.405	10.3	3000	207	12000	828	0.98	25
PP100-4	-4	6	1/4	6.4	0.485	12.3	2750	190	11000	760	1.18	30
PP100-5	-5	8	5/16	7.9	0.560	14.2	2500	172	10000	690	1.65	40
PP100-6	-6	10	3/8	9.5	0.625	15.9	2250	155	9000	620	1.97	50
PP100-8	-8	12	1/2	12.7	0.760	19.3	2050	141	8200	564	2.95	75
PP100-10	-10	16	5/8	15.9	0.910	23.1	1500	103	6000	412	4.13	105
PP100-12	-12	19	3/4	19.1	1.040	26.4	1300	90	5200	360	5.51	140

Temperature Range :

- -40°C to +100°C (-40°F to +212°F) with water-based fluids. - 40°C to +66°C (-40°F to +150°F) fire-resistant fluids.

MEDIUM PRESSURE NON CONDUCTIVE SAE100 R7 HOSE (PP150 SERIES)

APPLICABLE STANDARD:

SAE100R7 / DIN EN 855 R7 / ISO3949



Features :

- Wide range of working temperature.
- High flexibility, high pressure rating, high lifecycle
- Enormous strength because of reinforcement
- Great abrasion and shock resistance
- Compatible with hydraulic oils, grease, fuel oils, mineral oils and most phosphate esters.
- Twin lines and multi lines with different hose combinations and sizes are available
- Change in length at working pressure $\pm 2\%$

Application :

- General hydraulic systems that may contact high voltage sources
- Aerial equipment
- Mobile hydraulics
- Rescue apparatus and tools
- Electric utility truck

Construction :

- **CORE** : Thermoplastic Elastomer Smooth Core
- **REINFORCEMENT** : Single or Double Braided Synthetic Fiber
- **COVER** : Polyurethane, Orange Color (Pin tracking Other Colors available on request)

Technical Specifications :

PART NO.	DASH SIZE	DN	HOSE ID		HOSE OD		WORKING PRESSURE		BURST PRESSURE		MIN BAND RADIUS	
	-	-	INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	INCH	MM
PP150-2	-2	3	1/8	3.2	0.325	8.3	3045	210	12180	840	0.87	22.0
PP150-3	-3	5	3/16	4.8	0.405	10.3	3000	207	12000	828	0.98	25
PP150-4	-4	6	1/4	6.4	0.485	12.3	2750	190	11000	760	1.18	30
PP150-5	-5	8	5/16	7.9	0.560	14.2	2500	172	10000	690	1.65	40
PP150-6	-6	10	3/8	9.5	0.625	15.9	2250	155	9000	620	1.97	50
PP150-8	-8	12	1/2	12.7	0.760	19.3	2050	141	8200	564	2.95	75
PP150-10	-10	16	5/8	15.9	0.910	23.1	1500	103	6000	412	4.13	105
PP150-12	-12	19	3/4	19.1	1.040	26.4	1300	90	5200	360	5.51	140

Temperature Range :

- -40°C to +100°C (-40°F to +212°F) with water-based fluids. - 40°C to +66°C (-40°F to +150°F) fire-resistant fluids.

HIGH PRESSURE HYDRAULIC SAE100 R8 HOSE (PP200 SERIES)

APPLICABLE STANDARD:

SAE100R8 / DIN EN 855 R8 / ISO3949



Features :

- Light weight
- Low elongation
- Change in length at working pressure $\pm 2\%$
- Increased resistance to abrasion
- Suitable for hydraulic application for use with petroleum, synthetic or water based fluids.
- Can be used with industrial gas.
- Pin pricked outer cover for gas applications.
- Twin lines and multi lines with different hose combinations and sizes are available

Applications :

- General hydraulic systems
- Mobile hydraulics
- Aerial equipment
- Rescue apparatus and tools

Construction :

- **CORE** : Polyester elastomer smooth core
- **REINFORCEMENT** : Double braided synthetic fiber
- **COVER** : Black Polyurethane (Pin tricking Other Colors available on request)

Technical Specifications :

PART NO.	DASH SIZE	DN	HOSE ID		HOSE OD		WORKING PRESSURE		BURST PRESSURE		MIN BAND RADIUS	
	-	-	INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	INCH	MM
PP200-03	-3	5	3/16	0.19	0.49	12.4	5000	345	20000	1380	1.57	40
PP200-04	-4	6	1/4	0.25	0.63	16.0	5000	345	20000	1380	1.77	45
PP200-05	-5	8	5/16	0.31	0.66	16.7	4250	293	17000	1172	2.17	55
PP200-06	-6	10	3/8	0.38	0.73	18.5	4000	275	16000	1100	2.56	65
PP200-08	-8	12	1/2	0.50	0.90	22.8	3500	241	14000	964	2.95	74.5
PP200-10	-10	16	5/8	0.625	1.02	25.9	2750	190	11000	760	4	100
PP200-12	-12	20	3/4	0.755	1.13	28.7	2250	155	9000	620	5.5	140

Temperature Range :

- -40°C to +100°C (-40°F to +212°F) with water-based fluids. - 40°C to +66°C (-40°F to +150°F) fire-resistant fluids.

COMPACT SAE100 R8 HOSE (PP210 SERIES)

APPLICABLE STANDARD:

SAE100R8 / DIN EN 855 R8 / ISO3949

Features :

- Meets or exceeds SAE 100R8 specifications
- Lightweight
- Low elongation
- Change in length at working pressure $\pm 2\%$
- Increased resistance to abrasion
- Suitable for hydraulic application for use with petroleum, synthetic or water based fluids.
- Can be used with industrial gases.
- Pin pricked outer cover for gas applications.



Applications :

- General hydraulic lines with operating pressure 210 to 350bar
- Marine steering
- Material handling
- Earthmoving
- Agricultural Machinery
- Safety and Rescue Equipment

Construction :

- **CORE** : Polyester elastomer smoothcore
- **REINFORCEMENT** : Single or Double braided High Tensile Aramid fiber
- **COVER** : Polyurethane, Black Colour, (Pin tricking Other Colors available on request)

Technical Specifications :

PART NO.	DASH SIZE	DN	HOSE ID		HOSE OD		WORKING PRESSURE		BURST PRESSURE		MIN BAND RADIUS	
	-	-	INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	INCH	MM
PP210-02	-2	3	1/8	3.2	0.33	8.2	6090	420	24360	1680	0.87	22
PP210-03	-3	5	3/16	4.8	0.41	10.2	5075	350	20300	1400	0.98	25
PP210-04	-4	6	1/4	6.3	0.49	12.3	5075	350	20300	1400	1.18	30
PP210-05	-5	8	5/16	7.9	0.56	14.2	4350	300	17400	1200	1.65	40
PP210-06	-6	10	3/8	9.5	0.63	15.8	4060	280	16240	1120	1.97	50
PP210-08	-8	12	1/2	12.7	0.76	19.3	3625	250	14500	1000	2.95	75
PP210-10	-10	16	5/8	15.9	0.91	23.1	2900	200	11600	800	4.13	105
PP210-12	-12	19	3/4	19.0	1.04	26.4	2300	165	9200	660	5.51	140

Temperature Range :

- -40°C to +100°C (-40°F to +212°F) with water-based fluids. - 40°C to +66°C (-40°F to +150°F) fire-resistant fluids.

HIGH PRESSURE NON CONDUCTIVE HYDRAULIC SAE100 R8 HOSE (PP250 SERIES)

APPLICABLE STANDARD: SAE100R8 / DIN EN 855 R8 / ISO3949

Features :

- Light weight
- Low elongation
- Change in length at working pressure $\pm 2\%$
- Increased resistance to abrasion
- Suitable for hydraulic application for use with petroleum, synthetic or water based fluids.
- Can be used with industrial gas.
- Pin pricked outer cover for gas applications.
- Twin lines and multi lines with different hose combinations and sizes are available



Applications :

- General hydraulic systems that may contact high voltage sources
- Aerial equipment
- Mobile hydraulics
- Rescue apparatus and tools
- Electric utility truck

Construction :

- **CORE** : Polyester elastomer smooth core
- **REINFORCEMENT** : Double braided synthetic fiber
- **COVER** : Orange Polyurethane (Pin tricking Other Colors available on request)

Technical Specifications :

PART NO.	DASH SIZE	DN	HOSE ID		HOSE OD		WORKING PRESSURE		BURST PRESSURE		MIN BAND RADIUS	
	-	-	INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	INCH	MM
PP250-03	-3	5	3/16	0.19	0.49	12.4	5000	345	20000	1380	1.57	40
PP250-04	-4	6	1/4	0.25	0.63	16.0	5000	345	20000	1380	1.77	45
PP250-05	-5	8	5/16	0.31	0.66	16.7	4250	293	17000	1172	2.17	55
PP250-06	-6	10	3/8	0.38	0.73	18.5	4000	275	16000	1100	2.56	65
PP250-08	-8	12	1/2	0.50	0.90	22.8	3500	241	14000	964	2.95	74.5
PP250-10	-10	16	5/8	0.625	1.02	25.9	2750	190	11000	760	4	100
PP250-12	-12	20	3/4	0.755	1.13	28.7	2250	155	9000	620	5.5	140

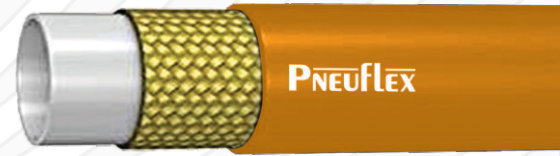
Temperature Range :

- -40°C to +100°C (-40°F to +212°F) with water-based fluids. - 40°C to +66°C (-40°F to +150°F) fire-resistant fluids.

COMPACT NON CONDUCTIVE SAE100 R8 HOSE (PP260 SERIES)

APPLICABLE STANDARD:

SAE100R8 / DIN EN 855 R8 / ISO3949



Features :

- Meets or exceeds SAE 100R8 specifications
- Lightweight
- Low elongation
- Change in length at working pressure $\pm 2\%$
- Increased resistance to abrasion
- Suitable for hydraulic application for use with petroleum, synthetic or water based fluids.
- Can be used with industrial gases.
- Pin pricked outer cover for gas applications.

Applications :

- General hydraulic systems that may contact high voltage sources
- Aerial equipment
- Mobile hydraulics
- Rescue apparatus and tools
- Electric utility truck

Construction :

- **CORE** : Polyester elastomer smooth core
- **REINFORCEMENT** : Single or Double braided High Tensile Aramid fiber
- **COVER** : Polyurethane, Orange Colour (Pin tricking Other Colors available on request)

Technical Specifications :

PART NO.	DASH SIZE	DN	HOSE ID		HOSE OD		WORKING PRESSURE		BURST PRESSURE		MIN BAND RADIUS	
	-	-	INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	INCH	MM
PP260-02	-2	3	1/8	3.2	0.33	8.2	6090	420	24360	1680	0.87	22
PP260-03	-3	5	3/16	4.8	0.41	10.2	5075	350	20300	1400	0.98	25
PP260-04	-4	6	1/4	6.3	0.49	12.3	5075	350	20300	1400	1.18	30
PP260-05	-5	8	5/16	7.9	0.56	14.2	4350	300	17400	1200	1.65	40
PP260-06	-6	10	3/8	9.5	0.63	15.8	4060	280	16240	1120	1.97	50
PP260-08	-8	12	1/2	12.7	0.76	19.3	3625	250	14500	1000	2.95	75
PP260-10	-10	16	5/8	15.9	0.91	23.1	2900	200	11600	800	4.13	105
PP260-12	-12	19	3/4	19.0	1.04	26.4	2300	165	9200	660	5.51	140

Temperature Range :

- -40°C to +100°C (-40°F to +212°F) with water-based fluids. - 40°C to +66°C (-40°F to +150°F) fire-resistant fluids.

MEDIUM PRESSURE MICRO BORE HOSE (PP300 SERIES)

Features :

- Working pressure up to 3625 Psi.
- Very small hose inner diameter ranges from 2mm to 3.2mm
- Increased resistance to abrasion
- Change in length at working pressure $\pm 2\%$



Applications :

- Mini Hydraulic Lines with pressure range upto 250 bar
- Pressure test equipment & test points
- Automotive roof and boot opening system
- Truck's cab lifting system

Construction :

- **CORE** : Polyester elastomer smooth core
- **REINFORCEMENT** : Single braided synthetic fiber
- **COVER** : Polyurethane, Black colour (Pin tricking Other Colors available on request)

Technical Specifications :

NO.	ID		OD		WORKING PRESSURE		WORKING PRESSURE		BURST PRESSURE		MIN BAND RADIUS	
	PART NO.	INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	PSI	BAR	INCH
PP300-2	5/64"	2	0.197	5.0	3625	250	3625	250	14500	1000	0.79	20
PP300-3	0.098	2.5	0.236	6.0	3,600	250	3,600	250	14400	1000	0.8	20
PP300-4	1/8"	3.2	0.26	6.6	2900	200	2900	200	11600	800	0.79	20
PP300-5	5/32"	4	0.33	8.4	2900	200	2900	200	11600	800	1.18	30

Temperature Range :

- -40°C to +100°C (-40°F to +212°F) with water-based fluids. - 40°C to +66°C (-40°F to +150°F) fire-resistant fluids.

HIGH PRESSURE MICRO BORE HOSE (PP310 SERIES)

Features :

- Working pressure up to 9135Psi.
- Very small hose inner diameter ranging from 2mm to 3.2mm
- Increased resistance to abrasion
- Change in length at working pressure $\pm 2\%$



Applications :

- Mini Hydraulic Lines with pressure range upto 630 bar
- Pressure test equipment & test points
- Automotive roof and boot opening system
- Truck's cab lifting system

Construction :

- **CORE** : Polyester elastomer smooth core
- **REINFORCEMENT** : Single Braided High Tensile aramid fiber
- **COVER** : Polyurethane, Black colour (Pin tricking Other Colors available on request)

Technical Specifications :

NO.	ID		OD		WORKING PRESSURE		BURST PRESSURE		MIN BAND RADIUS	
	INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	PSI	BAR
PP310-2	5/64	2	0.197	5.00	9135	630	27405	1890	0.79	20
PP310-3	1/8	3.2	0.236	6.00	9135	630	27405	1890	0.79	20
PP310-4	5/32	4	0.315	8.00	9135	630	27405	1890	1.18	30

Temperature Range :

- -40°C to +100°C (-40°F to +212°F) with water-based fluids. - 40°C to +66°C (-40°F to +150°F) fire-resistant fluids.



MEDIUM PRESSURE LUBRICATION/GREASE HOSE (PP400 SERIES):

Features :

- Suitable with almost every kind of lubricants and grease
- High pressure tolerance
- Good abrasion resistance
- Suitable for automated and manual grease distribution systems
- Specifically designed for Frictionless flow of lubricants /grease.
- Change in length at working pressure $\pm 2\%$



Applications :

- Diverse lubrication and greasing applications
- Oil transfer applications
- High Pressure Grease Application
- Hand Operated GreaseGuns
- Industrial lubrication application
- Automatic (Centralized) Grease distribution system

Construction :

- **CORE** : Polyester elastomer smoothcore
- **REINFORCEMENT** : Single braided synthetic fiber
- **COVER** : Polyurethane, Black Color (Pin tricking Other Colors available on request)

Technical Specifications :

PART NO.	DASH SIZE	DN	HOSE ID		HOSE OD		WORKING PRESSURE		BURST PRESSURE		MIN BAND RADIUS	
	-	-	INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	INCH	MM
PP400-2	1/8	3	0.13	3.3	0.27	6.8	4350	300	11600	800	0.79	20
PP400-3	9/64	3.6	0.14	3.6	0.32	8	4350	300	11600	800	0.79	20
PP400-4A	5/32	4	0.16	4.0	0.32	8	4350	300	11600	800	1.18	30
PP400-4B	5/32	4	0.16	4.0	0.336	8.5	4350	300	11600	800	1.57	40
PP400-4C	5/32	4	0.16	4.0	0.354	9	4350	300	11600	800	1.77	45

Temperature Range :

- -40°C to +100°C (-40°F to +212°F) with water-based fluids. - 40°C to +66°C (-40°F to +150°F) fire-resistant fluids.

HIGH PRESSURE LUBRICATION/GREASE HOSE (PP410 SERIES)

Features :

- Suitable with almost every kind of lubricants and grease
- High pressure tolerance
- Good abrasion resistance
- Suitable for automated and manual grease distribution systems
- Specifically designed for Frictionless flow of lubricants /grease.
- Change in length at working pressure $\pm 2\%$



Applications :

- Diverse lubrication and greasing applications
- Oil transfer applications
- High Pressure Grease Application
- Hand Operated GreaseGuns
- Industrial lubrication application
- Automatic (Centralized) Grease distribution system

Construction :

- **CORE** : Polyester elastomer smoothcore
- **REINFORCEMENT** : Single braided syntheticfiber
- **COVER** : Polyurethane,Black Colour (Pin tricking Other Colors available on request)

Technical Specifications :

PART NO.	DASH SIZE	DN	HOSE ID		HOSE OD		WORKING PRESSURE		BURST PRESSURE		MIN BAND RADIUS	
	-	-	INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	INCH	MM
PP410-2	1/8	3	0.12	3.2	0.315	8	5800	400	14500	1000	0.79	20
PP410-3	9/64	3.6	0.14	3.6	0.336	8.50	5800	400	14500	1000	1.38	35
PP410-4A	5/32	4	0.16	4.0	0.336	8.50	5800	400	14500	1000	1.57	40
PP410-4B	5/32	4	0.16	4.0	0.354	9	5800	400	14500	1000	1.77	45
PP410-4.2	5/32	4.2	0.166	4.2	0.346	8.8	5800	400	14500	1000	1.77	45

Temperature Range :

- -40°C to +100°C (-40°F to +212°F) with water-based fluids. - 40°C to +66°C (-40°F to +150°F) fire-resistant fluids.

VERY HIGH PRESSURE LUBRICATION/GREASE HOSE (PP420SERIES)

Features :

- Suitable with almost every kind of lubricants and grease
- High pressure tolerance
- Good abrasion resistance
- Suitable for automated and manual grease distribution systems
- Specifically designed for Frictionless flow of lubricants /grease.
- Change in length at working pressure $\pm 2\%$



Applications :

- Diverse lubrication and greasing applications
- Oil transfer applications
- High Pressure Grease Application
- Hand Operated Grease Guns
- Industrial lubrication application
- Automatic (Centralized) Grease distribution system

Construction :

- **CORE** : Polyester elastomer smooth core
- **REINFORCEMENT** : Single braiding of High Tensile aramid fiber
- **COVER** : Polyurethane, Black Colour (Pin tracking Other Colors available on request)

Technical Specifications :

PART NO.	DASH SIZE	DN	HOSE ID		HOSE OD		WORKING PRESSURE		BURST PRESSURE		MIN BAND RADIUS	
	-	-	INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	INCH	MM
PP420-2	1/8"	3	0.13	3.3	0.274	7	6163	425	24650	1700	0.79	20
PP420-3	9/64"	3.6	0.14	3.6	0.336	8.5	5800	400	23200	1600	1.38	35
PP420-4	5/32"	4	0.16	4.0	0.336	8.5	5800	400	23200	1600	1.57	40
PP420-4.2	5/32"	4.2	0.166	4.2	0.336	8.5	5800	400	23200	1600	1.77	45

Temperature Range :

- -40°C to +100°C (-40°F to +212°F) with water-based fluids. - 40°C to +66°C (-40°F to +150°F) fire-resistant fluids

SINGLE WIRE PAINT SPRAY HOSE (PP500 SERIES)

Features :

- High chemical resistance
- Low permeation.
- Change in length at working pressure $\pm 2\%$
- Twin line and multiline with different hose combinations and sizes are available
- Working Pressure at ratio of 1 : 2.5 also available



Applications :

- Airless paint spray systems for 100 to 350Bar
- Suitable for aggressive fluids
- Suitable for industrial high pressure painting applications

Construction :

- **CORE** : Polyamide smooth core
- **REINFORCEMENT** : Single Brass coated High Tensile SteelWire
- **COVER** : Polyurethane (Black/Blue) (Pin tricking Other Colors available on request)

Technical Specifications :

PART NO.	DASH SIZE	DN	HOSE ID		HOSE OD		WORKING PRESSURE		BURST PRESSURE		MIN BAND RADIUS	
	-	-	INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	INCH	MM
PP500-03	3/16	5	0.19	4.82	0.38	9.65	5075	350	20300	1400	1.18	30
PP500-04	1/4	6	0.25	6.35	0.46	11.68	4713	325	18850	1300	1.57	40
PP500-05	5/16	8	0.31	7.87	0.54	13.71	3988	275	15950	1100	1.97	50
PP500-06	3/8	10	0.38	9.65	0.60	15.24	3625	250	14500	1000	2.20	55
PP500-08	1/2	12	0.50	12.7	0.73	18.54	2755	190	11020	760	2.95	75

Temperature Range :

- -40°C to +100°C (-40°F to +212°F) with water-based fluids. - 40°C to +66°C (-40°F to +150°F) fire-resistant fluids

TWO WIRE PAINT SPRAY HOSE (PP600 SERIES)

Features :

- High chemical resistance
- Low permeation.
- Change in length at working pressure $\pm 2\%$
- Twin line and multiline with different hose combinations and sizes are available
- Working Pressure at ratio of 1 : 2.5 also available onrequest



Applications :

- Airless paint spray systems for 100 to 450Bar
- Suitable for aggressive fluids
- Suitable for industrial high pressure painting applications

Construction :

- **CORE** : Polyamide smoothcore
- **REINFORCEMENT** : Double Brass coated High Tensile SteelWire
- **COVER** : Polyurethane (Black/Blue) (Pin tricking Other Colors available on request)

Technical Specifications :

PART NO.	DASH SIZE	DN	HOSE ID		HOSE OD		WORKING PRESSURE		BURST PRESSURE		MIN BAND RADIUS	
	-	-	INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	INCH	MM
PP600-03	3/16	5	0.19	4.82	0.465	11.81	6888	475	27550	1900	2.76	70
PP600-04	1/4	6	0.25	6.35	0.540	13.71	6525	450	26100	1800	3.74	95
PP600-05	5/16	8	0.31	7.87	0.600	15.24	5800	400	23200	1600	4.13	105
PP600-06	3/8	10	0.38	9.65	0.690	17.52	5510	380	22040	1520	5.12	130
PP600-08	1/2	12	0.50	12.7	0.830	21.08	4350	300	17400	1200	6.89	175

Temperature Range :

- -40°C to +100°C (-40°F to +212°F) with water-based fluids. - 40°C to +66°C (-40°F to +150°F) fire-resistant fluid



SINGLE WIRE BRAIDED HYDRAULIC SAE100 R1 HOSE (PP700 SERIES)

Applicable Standard :

SAE100R1 / DIN EN 853 R1 / ISO3949

Features :

- Compact and light weight compared to conventional R1 RubberHose.
- Highly flexible with far better bend radius compared to conventional R1 rubberhose
- Higher working pressure rating than conventional R1hose
- Low elongation
- Increased resistance to abrasion
- Suitable for hydraulic application for use with petroleum, synthetic or water based fluids.
- Pin pricked (optional) outer cover for gas applications.
- Change in length at working pressure $\pm 2\%$
- Twin line and multiline with different hose combinations and sizes are available



Applications :

- Medium pressure Hydraulic lines with operating pressure 100 to 350Bar
- Mobile Hydraulic Applications
- Material handling Equipment
- Agricultural Machinery
- Earth Moving
- Articulating
- Telescopic Booms

Construction :

- **CORE** : Polyester elastomer smooth core
- **REINFORCEMENT** : Single Brass coated High Tensile Steel Wire
- **COVER** : Polyurethane, Black colour (Pin tricking Other Colors available on request)

Technical Specifications :

PART NO.	DASH SIZE	DN	HOSE ID		HOSE OD		WORKING PRESSURE		BURST PRESSURE		MIN BAND RADIUS	
	-		INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	INCH	MM
PP700-03	3/16"	5	0.19	4.82	0.38	9.65	5003	345	20010	1380	1.18	30
PP700-04	1/4"	6	0.25	6.35	0.46	11.68	4350	300	17400	1200	1.57	40
PP700-05	5/16"	8	0.31	7.87	0.54	13.71	3480	240	13920	960	1.97	50
PP700-06	3/8"	10	0.38	9.65	0.60	15.24	3263	225	13050	900	2.20	55
PP700-08	1/2"	12	0.50	12.7	0.73	18.54	2755	190	11020	760	2.95	75
PP700-10	5/8"	16	0.63	16.00	0.88	22.35	2030	140	8120	560	4.33	110
PP700-12	3/4"	20	0.75	19.05	1.02	25.90	1740	120	6960	480	6	150

Temperature Range :

- -40°C to +100°C (-40°F to +212°F) with water-based fluids. - 40°C to +66°C (-40°F to +150°F) fire-resistant fluid

DOUBLE WIRE BRAIDED HYDRAULIC SAE100 R2 HOSE (PP800 SERIES)

Applicable Standard :

SAE100R2 / DIN EN 853 R2 / ISO3949



Features :

- Compact and light weight compared to conventional R2 RubberHose
- Flexible compared to conventional R2 rubber hose
- Low elongation
- Suitable for hydraulic application for use with petroleum, synthetic or water based fluids.
- Pin pricked (optional) outer cover for gas applications.
- Change in length at working pressure $\pm 2\%$
- Twin line and multiline with different hose combinations and sizes are available

Applications :

- High pressure Hydraulic lines with operating pressure 150 to 450Bar
- Rescue Tools and Equipment
- Mobile Hydraulic Applications
- Material handling Equipments
- Agricultural Machinery
- EarthMoving.

Construction :

- **CORE** : Polyester elastomer smooth core
- **REINFORCEMENT** : Double Brass coated High Tensile Steel Wire
- **COVER** : Polyurethane, Black colour (Pin tricking Other Colors available on request)

Technical Specifications :

PART NO.	DASH SIZE	DN	HOSE ID		HOSE OD		WORKING PRESSURE		BURST PRESSURE		MIN BAND RADIUS	
	-	-	INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	INCH	MM
PP800-03	3/16	5	0.19	4.82	0.47	11.93	6525	450	26100	1800	2.76	70
PP800-04	1/4	6	0.25	6.35	0.54	13.71	6235	430	24940	1720	3.74	95
PP800-05	5/16	8	0.31	7.87	0.60	15.24	5510	380	22040	1520	4.13	105
PP800-06	3/8	10	0.38	9.65	0.69	17.52	4785	330	19140	1320	5.12	130
PP800-08	1/2	12	0.50	12.7	0.83	21.08	3988	275	15950	1100	6.89	175
PP800-10	5/8	16	0.63	16.00	0.98	24.89	3045	210	12180	840	8.07	205
PP800-12	3/4	20	0.75	19.05	1.12	28.44	2610	180	10440	720	10	255

Temperature Range :

- -40°C to +100°C (-40°F to +212°F) with water-based fluids. - 40°C to +66°C (-40°F to +150°F) fire-resistant fluid

2500PSI SEWER JET HOSE (PP910 SERIES)

Features :

- Special cover resistant to microbiological degradation
- Kink resistance
- Very high abrasive outer cover



Applications :

- Sewer cleaning equipment and vehicles
- Water jetting pumps

Construction :

- **CORE** : Polyester elastomer smooth core
- **REINFORCEMENT** : Two Braid of Synthetic Fiber
- **COVER** : Weather Resistant Orange Polyurethane (Pin tricking Other Colors available on request)

Technical Specifications :

PART NO.	DASH SIZE	DN	HOSE ID		HOSE OD		WORKING PRESSURE		BURST PRESSURE		MIN BAND RADIUS	
	-	-	INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	INCH	MM
PP910-02	1/8	3	0.125	3.2	0.33	8.4	2500	172	6250	430	0.91	23
PP910-03	3/16	5	0.19	4.8	0.413	10.5	2500	172	6250	430	1.38	35
PP910-04	1/4	6	0.250	6.35	0.505	12.8	2500	172	6250	430	1.57	40
PP910-05	5/16	8	0.316	8.00	0.590	15.0	2500	172	6250	430	2.36	60
PP910-06	3/8	10	0.376	9.6	0.640	16.3	2500	172	6250	430	2.95	75
PP910-08	1/2	12	0.500	12.7	0.810	20.6	2500	172	6250	430	3.54	90
PP910-10	5/8	16	0.625	15.9	1.030	26.2	2500	172	6250	430	4.13	105
PP910-12	3/4	19	0.750	19.00	1.150	29.2	2500	172	6250	430	4.92	125

Temperature Range :

- -40°C to +60°C (-40°F to +150°F)

3000PSI SEWER JET HOSE (PP920 SERIES)

Features :

- Special cover resistant to microbiological degradation
- Kink resistance
- Very high abrasive outer cover



Applications :

- Sewer cleaning equipment
- Water jetting pumps

Construction :

- **CORE** : Polyester elastomer smooth core
- **REINFORCEMENT** : Two Braid of Synthetic Fiber
- **COVER** : Weather Resistant Blue Polyurethane (Pin tricking Other Colors available on request)

Technical Specifications :

PART NO.	DASH SIZE	DN	HOSE ID		HOSE OD		WORKING PRESSURE		BURST PRESSURE		MIN BAND RADIUS	
	-	-	INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	INCH	MM
PP920-02	1/8	3	0.125	3.2	0.34	8.6	3000	210	7500	525	0.91	23
PP920-03	3/16	5	0.19	4.8	0.413	10.5	3000	210	7500	525	1.38	35
PP920-04	1/4	6	0.250	6.35	0.505	12.8	3000	210	7500	525	1.57	40
PP920-05	5/16	8	0.316	8.00	0.590	15.0	3000	210	7500	525	2.36	60
PP920-06	3/8	10	0.376	9.6	0.640	16.3	3000	210	7500	525	2.95	75
PP920-08	1/2	12	0.500	12.7	0.840	21.3	3000	210	7500	525	3.54	90
PP920-10	5/8	16	0.625	15.9	1.030	26.2	3000	210	7500	525	4.13	105
PP920-12	3/4	19	0.750	19.00	1.150	29.2	3000	210	7500	525	4.92	125

Temperature Range :

- -40°C to +60°C (-40°F to +150°F)

3600PSI SEWER JET HOSE (PP930 SERIES)

Features :

- Special cover resistant to microbiological degradation
- Kink resistance
- Very high abrasive outer cover

Applications :

- Sewer cleaning equipment
- Water jetting pumps

Construction :

- **CORE** : Polyester elastomer smooth core
- **REINFORCEMENT** : Two Braid of Synthetic Fiber
- **COVER** : Weather Resistant Green Polyurethane (Pin tricking Other Colors available on request)



Technical Specifications :

PART NO.	DASH SIZE	DN	HOSE ID		HOSE OD		WORKING PRESSURE		BURST PRESSURE		MIN BAND RADIUS	
	-	-	INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	INCH	MM
PP930-02	1/8	3	0.125	3.2	0.34	8.6	3600	250	9000	625	0.91	23
PP930-03	3/16	5	0.19	4.8	0.413	10.5	3600	250	9000	625	1.38	35
PP930-04	1/4	6	0.250	6.35	0.510	13.0	3600	250	9000	625	1.57	40
PP930-05	5/16	8	0.316	8.00	0.610	15.5	3600	250	9000	625	2.36	60
PP930-06	3/8	10	0.376	9.6	0.660	16.8	3600	250	9000	625	2.95	75
PP930-08	1/2	12	0.500	12.7	0.880	22.4	3600	250	9000	625	3.54	90
PP930-10	5/8	16	0.625	15.9	1.080	27.4	3600	250	9000	625	4.13	105
PP930-12	3/4	19	0.750	19.00	1.180	30.0	3600	250	9000	625	4.92	125

Temperature Range :

- -40°C to +60°C (-40°F to +150°F)

HIGH PRESSURE JACK HOSE (PP1100 SERIES)

Features :

- High pressure sustaining capacity
- Lightweight
- High Abrasion Resistances
- Change in length at working PSI \pm 2%
- Twin line and multiline with different hose combinations and sizes are available



Applications :

- Hydraulic Jacks
- Bolt Tensioning tools
- Rerailing Equipments
- Rescue tools and equipments
- Very High pressure Hydraulic lines with operating pressure 300 to 700Bar
- Material Handling Equipment

Construction :

- **CORE** : Polyester elastomer smoothcore
- **REINFORCEMENT** : Double brass coated high tensile steel wire
- **COVER** : Polyurethane (Red / Blue) (Pin tricking Other Colors available on request)

Technical Specifications :

PART NO.	DASH SIZE	DN	HOSE ID		HOSE OD		WORKING PRESSURE		BURST PRESSURE		MIN BAND RADIUS	
	-	-	INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	INCH	MM
Pp1100- 04	1/4"	6	0.25	6.35	0.550	14	10150	700	25375	1750	3.74	95
PP1100- 05	5/16"	8	0.31	7.874	0.610	15.5	10150	700	25375	1750	4.13	105
PP1100- 06	3/8"	10	0.38	9.65	0.690	17.5	10150	700	23200	1600	5.12	130
PP1100- 08	1/2"	12	0.50	12.7	0.84	21.3	7250	500	19575	1350	7.00	180

Temperature Range :

- -40°C to +100°C (-40°F to +212°F). - 40°C to +66°C (-40°F to +150°F) with waterbased or fire- resistant fluids.

SUPER HIGH PRESSURE HOSE /WATER CUTTING HOSE (PP1200 SERIES)

Features :

- High pressure sustaining capacity
- Lightweight
- High Abrasion Resistance
- Change in length at working PSI $\pm 2\%$
- Twin line and multiline with different hose combinations and sizes are available



Applications :

- Hydraulic Jacks
- Rerailing Equipments
- Very High pressure Hydraulic lines with operating pressure 700Bar
- Bolt Tensioning tools
- Rescue tools and equipments
- Water cutting lines

Construction :

- **CORE** : Polyester elastomer smoothcore
- **REINFORCEMENT** : Single or double Aramid Braid with one wire braid
- **COVER** : Polyurethane (Black / Red / Blue) (Pin tricking Other Colors available on request)

Technical Specifications :

PART NO.	DASH SIZE	DN	HOSE ID		HOSE OD		WORKING PRESSURE		BURST PRESSURE		MIN BAND RADIUS	
	-	-	INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	INCH	MM
Pp1200- 04	1/4"	6	0.250	6.35	0.550	14	10150	700	40600	2800	2.80	70
PP1200- 05	5/16"	8	0.315	8.00	0.610	15.5	10150	700	40600	2800	3.50	90
PP1200- 06	3/8"	10	0.375	9.60	0.740	18.8	10150	700	40600	2800	4.00	100
PP1200- 08	1/2"	12	0.500	12.70	0.890	22.6	10000	690	30000	2070	6.89	175

Temperature Range :

- -40°C to +100°C (-40°F to +212°F). - 40°C to +66°C (-40°F to +150°F) with water based or fire- resistant fluids.



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