

CONTINUOUS TUBING Pharm-A-Line™



CONTINUOUS TUBING Pharm-A-Clear®



TUBING PROPERTIES

Tube	Characteristics	Limitations
Pharm-A-Line™	Thermoplastic vulcanite (TPV) Excellent lifetime Excellent pump performance Excellent chemical resistance Tasteless / odorless Low particle spallation Contains no phthalate plasticizers or peroxides that can leach out into transported fluid Suitable for higher pressures Sterilization methods: autoclave, gamma irr., chem. sterilants Biocompatible Medium temperature range -51°C - 132°C	Not translucent - opaque
Pharm-A-Clear®	Platinum cured silicone Good lifetime (compared to other silicone materials) Translucent - good clarity Tasteless / odorless Contains no phthalate plasticizers or peroxides that can leach out into transported fluid Suitable for lower pressures Sterilization methods: autoclave, gamma irr., EtO, chem. sterilants Biocompatible Medium temperature range -67°C - 220°C	Not recommended with strong acids or alkaline solutions Swells up in many organic solutions Suitable for lower pressures

CHEMICAL RESISTANCE AND STANDARDS

		Pharm-A-Line™	Pharm-A-Clear®
Acids	weak medium strong	very good good not recommended	good unsatisfactory not recommended
Alkaline solution	weak medium strong	very good very good good	good unsatisfactory not recommended
Hydrocarbons	aliphatic aromatized halogenated	not recommended	
Standards / physiological behavior		USP, class VI ISO 10993 Parts 4,5 FDA (21 CFR 177.2600) BSE/TSE REACH RoHs	physiologically inert USP, class VI ISO 10993 (various parts) Animal Derived Ingredient Free (ADIF) FDA (21 CFR 177.2600)
Chemical structure		thermoplastic elastomer on PP-basis	platinum cured silicone

ORDER TABLE

Part Number	Tube Material	Tube Name	Inner Diameter [mm]	Wall Thickness [mm]	Package Size
PLTS-LH-8.0X1.6-15	Platinum Cured Silicone Tubing	Pharm-A-Clear®	8.0 mm	1.6 mm	15 m
PLTS-LH-6.4X1.6-15	Platinum Cured Silicone Tubing	Pharm-A-Clear®	6.4 mm	1.6 mm	15 m
PLTS-LH-4.8X1.6-15	Platinum Cured Silicone Tubing	Pharm-A-Clear®	4.8 mm	1.6 mm	15 m
PLTS-LH-3.2X1.6-15	Platinum Cured Silicone Tubing	Pharm-A-Clear®	3.2 mm	1.6 mm	15 m
PLTS-LH-1.6X1.6-15	Platinum Cured Silicone Tubing	Pharm-A-Clear®	1.6 mm	1.6 mm	15 m
PLTS-LH-0.8X1.6-15	Platinum Cured Silicone Tubing	Pharm-A-Clear®	0.8 mm	1.6 mm	15 m
PLTS-LH-0.5x1.6-15	Platinum Cured Silicone Tubing	Pharm-A-Clear®	0.5 mm	1.6 mm	15 m
PHI-8.0X1.6-15	BioPharma Grade TPE Tubing	Pharm-A-Line™	8.0 mm	1.6 mm	15 m
PHI-6.4X1.6-15	BioPharma Grade TPE Tubing	Pharm-A-Line™	6.4 mm	1.6 mm	15 m
PHI-4.8X1.6-15	BioPharma Grade TPE Tubing	Pharm-A-Line™	4.8 mm	1.6 mm	15 m
PHI-3.2X1.6-15	BioPharma Grade TPE Tubing	Pharm-A-Line™	3.2 mm	1.6 mm	15 m
PHI-1.6X1.6-15	BioPharma Grade TPE Tubing	Pharm-A-Line™	1.6 mm	1.6 mm	15 m
PHI-0.8X1.6-7.5	BioPharma Grade TPE Tubing	Pharm-A-Line™	0.8 mm	1.6 mm	7.5 m
PHI-0.5X1.6-10	BioPharma Grade TPE Tubing	Pharm-A-Line™	0.5 mm	1.6 mm	10 m

Orders need to be placed in meters in multiples of the package size. Minimum order quantity is the tube length of one package (i.e. 15 m).