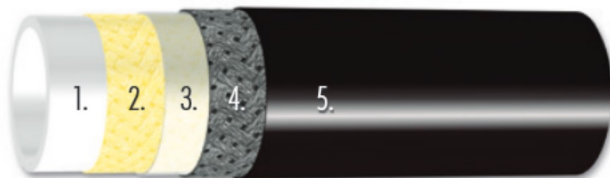


Ultra Extra High Pressure Hose

Ultra High Pressure hose is ideal for high pressure gas and liquid applications that use natural non conductive innercores. We can produce the longest high pressure hose Fluoropolymer assemblies in the industry to any custom length required for your system. If you do not find the exact hose and fitting combination required for your service please contact our Customer Service. You can be assured our Engineering experts will be easy to talk to and focused on solving your problem.

Basic Design

1. PFA or ETFE Inner Tubing
2. Kevlar Braid
3. Interlayer PTFE Tape
4. Stainless Steel Braid
5. Hytrel Jacket (optional)



Applications:

Ultra is ideal for inert gas applications and liquids requiring FDA compliance. Examples of applications included compressed gas cylinder filling, spray dryers in milk powder production and replacement of rigid high pressure stainless steel tubing or corrugated metal hose in long lengths. We are able to couple up to 150 feet (46m) continuous lengths with no splices.

Innercore:

Fluoropolymer innercores of non-conductive ETFE or PFA that are fully FDA compliant. PFA and ETFE innercores for gas and pneumatic service; these Fluoropolymers unlike PTFE do not require any post sintering.

Reinforcement:

Ultra incorporates the use of one braided layer of high tensile aramid fiber and one layer of stainless steel. This value engineered construction reduces weight and improves bend radius while increasing burst pressure. An integral abrasion resistant Hytrel jacket protects the exterior braid and has a smooth finished appearance.

Temperature Range:

Without Hytrel Cover -65°F (54°C) to +500°F (260°C)
With Hytrel Cover -20°F (-29°C) to +180°F (82°C)

Chemical Resistance:

Refer to page 30.

IMPERIAL

Dash Size	PFA Inch Reference # Natural	ETFE Inch Reference # Natural	Actual ID (in)	Actual OD (in)	Innercore Wall Thickness (in)	Max Working Pressure PSI	Min Burst Pressure PSI	Min Bend Radius (in)	Weight (lb/ft)
-4	ULPID.22N	ULEID.22N	0.220	0.460	0.039	6000	24000	1.0	0.11
-6	ULPID.31N	ULEID.31N	0.315	0.551	0.039	6000	24000	2.0	0.33
-8	ULPIT.39N	ULEIT.39N	0.394	0.748	0.049	6000	24000	2.3	0.35

METRIC

PFA Metric Reference # Natural	ETFE Metric Reference # Natural	Actual ID (mm)	Actual OD (mm)	Innercore Wall Thickness (mm)	Max Working Pressure Bar	Min Burst Pressure Bar	Min Bend Radius (mm)	Weight (kg/m)
ULPMD5N	ULEMD5.1N	5.0	9.7	1.00	300	1200	25	0.16
ULPMD6.5N	ULEMD6.5N	6.5	13.0	1.00	415	1660	25	0.23
ULPMT6.5N	ULEMT6.5N	6.5	16.0	1.00	475	1900	25	0.31
ULPMD8N	ULEMD8N	8.0	14.0	1.00	320	1280	50	0.49
ULPMD10N	ULEMD10N	10.0	18.0	1.25	320	1280	58	0.38
ULPMT10N	ULEMT10N	10.0	19.0	1.25	415	1660	58	0.52
ULPMD13N	ULEMD13N	13.0	19.0	1.25	320	1280	75	0.79

Minimum burst pressures are based on 70°F (21°C). For high temperatures please consult the factory.