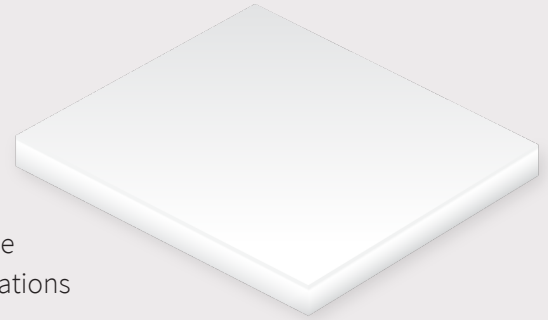




HFPM HDPE

Standard HDPE resin

Cost-effective HDPE(F) fabric-backed rolls are used in near ambient service temperatures for lining laminate tank and pipe applications. HDPE welds easily and offers all-around chemical resistance. Its smooth surface will not corrode like iron piping. The material resists cracking from routine internal and external pressure variations encountered in typical lining applications such as natural gas, water and sewage installations.



	Property	ASTM Spec	Unit	HDPE
	Specific Gravity	D 792	—	0.96
Environment	Water Absorption	D570	%	<0.01
	Abrasion Resistance	Taber CS 17	mg/1000	—
	Oxygen Index	D2863	%	—
	Flammability	UL 94	—	N.R.
		FM 4910	—	NO
	Coefficient of Friction	C1894	Static	0.2
C1894		Dynamic	0.2	
Mechanical	Tensile Strength (yield)	D1708, D638	psi	3600
	Elongation (break)	D1708, D638	%	700
	Flexural Modulus	D790 @ 23 C	psi	175000
	Notched Izod Impact	D256 @ 23 C	ft-lb/in.	3
	Shore D Hardness	D2240	—	68
Thermal	Continuous Service Temperature	Maximum	°C	76
			°F	170
	Melting Point	D3418	°C	131
			°F	267
	Vicat Softening Point	D1525	°C	124
			°F	255
	Coefficient of Expansion	E831 TMA	in/in/°F (10 ⁻⁵)	6.7
	Deflection Temp (66psi) (66psi)	D648	°C	73
			°F	163
	Deflection Temp (264psi) (264psi)	D648	°C	43
°F			110	

ADVANTAGES

- Low Cost
- Easy to weld & Fab
- Good Chemical Resistance
- Light Weight

PROVEN APPLICATIONS

- Chemical Storage
- Water Systems
- Waste Water Systems
- Irrigation Systems

STANDARD SIZES

- Roll – 48” x 600” (50’)
- Std Gauge – .060, .090 & .118”

STANDARD COLORS

- Natural

FABRIC BACKING

- HDPE – polyester

Weld Materials:

- 1/8” & 5/32” Round Rod

* Continuous Service Temperature based upon “non-chemical Dry Usage.” Table data reflects ASTM based average typical vendor data. Data meant as general guidelines only. Specific applications require additional testing by the buyer. All properties based on standard unbacked product tests only.

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