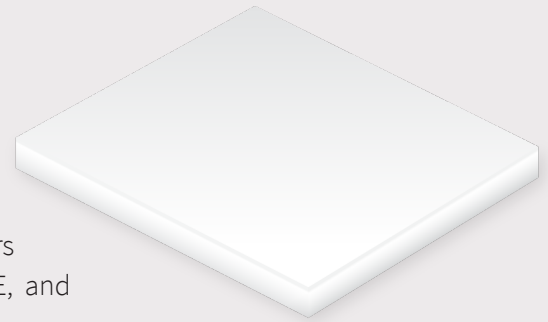




HFPM CoPP

Standard Copolymer PP resin

HFPM extrudes CoPP in fabric-backed rolls from a new generation CoPP with improved tensile strength, flex modulus and Izod Impact. This polymer is cost effective, easily fabricated, features high strength-to-weight ratio, and works well in low to mid range service temperatures. It offers good corrosion resistance with superior tensile strength compared to HDPE, and resists a wide range of acids, bases and organic solvents.



	Property	ASTM Spec	Unit	CoPP
	Specific Gravity	D 792	—	0.91
Environment	Water Absorption	D570	%	<0.01
	Abrasion Resistance	Taber CS 17	mg/1000	—
	Oxygen Index	D2863	%	—
	Flammability	UL 94	—	HB
		FM 4910	—	NO
Coefficient of Friction	C1894	Static	—	
	C1894	Dynamic	—	
Mechanical	Tensile Strength (yield)	D1708, D638	psi	5000
	Elongation (break)	D1708, D638	%	500
	Flexural Modulus	D790 @ 23 C	psi	>130,000
	Notched Izod Impact	D256 @ 23 C	ft-lb/in.	17
	Shore D Hardness	D2240	—	74
Thermal	Continuous Service Temperature	Maximum	°C	82
			°F	180
	Melting Point	D3418	°C	164
		D3418	°F	327
	Vicat Softening Point	D1525	°C	150
			°F	302
	Coefficient of Expansion	E831 TMA	in/in/°F (10 ⁻⁵)	4.6
	Deflection Temp (66psi)	D648	°C	88
			°F	190
Deflection Temp (264psi)	D648	°C	56	
		°F	133	

ADVANTAGES

- Cost Effective
- High Strength-Weight Ratio
- Broad Chemical Resistance
- Easy to Weld & Fab

PROVEN APPLICATIONS

- Chemical storage
- Plating systems
- Waste water systems
- Etch tanks
- Environmental applications

STANDARD SIZES

- 48” x 600” (50’) fabric backed roll
- Gauge – .060, .090, .118 & .157”

STANDARD COLORS

- Euro Gray
- Natural

FABRIC BACKING

- Polyester

* 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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