



LAM CoPP (F) | Standard Copolymer PP resin
Copolymer polypropylene: polyester fabric backed (F) sheets, rolls



Lamcorr extrudes CoPP fabric-backed rolls and sheets from traditional H-2222 resin or from a new generation CoPP with improved tensile strength, flex modulus and Izod Impact. This cost effective, easily fabricated, high strength-to-weight ratio polymer works well in low to mid range service temperatures. It offers excellent corrosion resistance with superior tensile strength compared to HDPE. CoPP resists a wide range of acids, bases and organic solvents and sees widespread use in plating, water & etch tanks, fume hoods and duct work.

Typical properties:

	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	5,000
	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
			°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

- Roll – 48" x 600" (50')
- Sheets – 48" x 96"
- Gauge – .060, .090, .118 & .157"

STANDARD COLORS

- Euro Gray, natural

CUSTOM SIZES, COLORS

- Contact inside sales

FABRIC BACKING

- LAM CoPP(F) (F= polyester)

WELD MATERIALS

- 1/8" & 5/32" Round Rod

LAM CoPP(F)

* 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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