



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

Copolymer Polypropylene Semi-Crystalline Commodity Plastic

Copolymer Polypropylene is a low-cost commercial grade of thermoplastics for non-critical applications. It offers resistance to stress cracking, ease of fabrication, and minimal centerline porosity. Copolymer Polypropylene is also FDA and NSF-compliant. It is used in die-cutting pads, fire truck water/foam tanks, orthotic/prosthetic devices, and plating/anodizing process equipment.

PolyPro FR is The Gund Company's commercial grade of flame-retardant Copolymer Polypropylene.

The Gund Company custom fabricates insulation materials to the exact specifications and drawings specified by our customers. We offer our customers the proper product for their specific application. A variety of dimensions and diameter sizes are available. Product colors vary according to material type.

PROPERTIES	ISO/IEC*			ASTM*		
	Test Method	Units	Typical Values	Test Method	Units	Typical Values
PHYSICAL	Specific Gravity			ASTM D792		0.9
	Dynamic Coefficient of Friction (-)	ISO 7148-2		QTM 55007		0.25
THERMAL	Melting Temperature (DSC, 10°C(50°F)/min)	ISO 11357-1/-3	°C	ASTM D 3418	°F	305
	CLTE (-40 to 150°C) (-40 to 300°F)			ASTM E 831 (TMA)	µin/in-°F	46.0
	Continuous Service Temperature in Air 20 hrs.		°C		°F	180
	Flammability: UL94 (3mm (1/8 in.))			HB		HB
MECHANICAL	Ultimate Tensile Strength	ISO 527-1/-2	MPa	ASTM D 638	PSI	3,400
	Tensile Strain at Yield	ISO 527-1/-2	%	ASTM D 638	%	11
	Tensile Strain at Break	ISO 527-1/-2	%	ASTM D 638	%	300
	Tensile Modulus of Elasticity	ISO 527-1/-2	GPa	ASTM D 638	KSI	152
	Compressive Strength			ASTM D 695	PSI	4,800
	IZOD Impact Notched			ASTM D 256	ft-lb/in	8.00
	Flexural Strength	ISO 178	MPa	ASTM D 790	PSI	4,800
	Flexural Modulus	ISO 178	GPa	ASTM D 790	KSI	180
Hardness Shore D	ISO 868		ASTM D 2240		72	
ELECTRICAL	Surface Resistivity	ANSI/ESD STM 11.11	Ohms/sq	ANSI/ESD STM 11.11	Ohms/sq	10 ¹⁴

The data supplied are typical values. They are not to be considered specification values. All of the information, suggestions, and recommendations about these properties and uses of the products herein are based on tests and data believed to be accurate; however, the final determination regarding the suitability of any material described herein for the contemplated application, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. There is no warranty - expressed or implied - including, without limitation, warranties of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.