

A. Schulman SUPERLINEAR™ XL 0370 Rotational Molding Resin

Category : Other Engineering Material , Additive/Filler for Polymer , Polymer , Thermoplastic

Material Notes:

Description Superlinear XL 0370 is compounded rotational molding resin based on metallocene catalyst technology. This technology allows for high impact and excellent stiffness. It is typically used in watercraft, large containers, and refuse cart applications. NOTE: Physical properties are based on rotationally molded samples from unpigmented resins. Density and ESCR tests were performed on compression molded samples. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-SUPERLINEAR-XL-0370-Rotational-Molding-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.952 g/cc	0.952 g/cc	ASTM D792
Melt Flow	4.0 g/10 min	4.0 g/10 min	2.16/190; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.8 MPa	3600 psi	2 in/min; ASTM D638
Elongation at Break	>= 195 %	>= 195 %	2 in/min; ASTM D638
Flexural Modulus	1.10 GPa	160 ksi	at 1% secant; ASTM D790
Impact Test	88.1 J @Thickness 3.17 mm, Temperature -40.0 °C	65.0 ft-lb @Thickness 0.125 in, Temperature -40.0 °F	ARM impact

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	80.0 °C	176 °F	ASTM D648

Descriptive Properties	Value	Comments
UV Stabilization	UV-8	

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