

A. Schulman SCHULINK® X XL350 Cross-Linkable, High Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Crosslinkable

Material Notes:

DescriptionSchuLink XL 350 is a cross-linkable, high density polyethylene used from rotational molding. This resin offers high impact strength, good abrasion resistance, good stiffness, and excellent environmental stress crack resistance. It is typically used for chemical containment and gas tanks. 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-SCHULINK-X-XL350-Cross-Linkable-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.942 g/cc	0.942 g/cc	ASTM D792
ESCR 100% Igepal®	>= 1000 hour	>= 1000 hour	F50; ASTM D1693

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	19.3 MPa	2800 psi	ASTM D638
Elongation at Break	350 %	350 %	2 in/min; ASTM D638
Flexural Modulus	0.689 GPa	100 ksi	at 1% secant; ASTM D790
Impact Test	82.7 J @Thickness 3.17 mm, Temperature -40.0 °C	61.0 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)	60.0 °C	140 °F	ASTM D648

Descriptive Properties	Value	Comments
UV Stabilization	UV-6	

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