

A. Schulman POLYAXIS® RLLP621 Flame Retardant, High Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

Material Notes:

Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-POLYAXIS-RLLP621-Flame-Retardant-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.01 g/cc	1.01 g/cc	ASTM D792
Melt Index of Compound	6.5 g/10 min	6.5 g/10 min	2.16/190; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	15.2 MPa	2200 psi	2"/min; ASTM D638
Elongation at Break	50 %	50 %	2"/min; ASTM D638
Flexural Modulus	0.586 GPa	85.0 ksi	at 1% secant modulus; ASTM D790
Impact Test	20.3 J @Thickness 3.17 mm, Temperature 23.0 °C	15.0 ft-lb @Thickness 0.125 in, Temperature 73.4 °F	ARM impact

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	48.0 °C	118 °F	ASTM D648
Flammability, UL94	V-2 @Thickness 1.50 mm	V-2 @Thickness 0.0591 in	
	V-2 @Thickness 6.00 mm	V-2 @Thickness 0.236 in	

Descriptive Properties	Value	Comments
UV Stabilization	UV-4	

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