

Styron MAGNUM[®],ç 3416 SLG Acrylonitrile Butadiene Styrene (ABS) Resin

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Overview: The mass (continuous process) ABS technology of Styron ensures an ABS resin that combines excellent processability with a stable light base color providing an ideal resin for self coloring. MAGNUM 3416 SLG is a new grade providing a unique property balance of ultra low gloss performance, excellent processing characteristics and high heat resistance. Applications: Unpainted automotive interior trim components with enhanced requirements on strength, stiffness and low creep performance also at elevated temperatures. Information provided by Styron

Order this product through the following link:

http://www.lookpolymers.com/polymer_Styron-MAGNUM-3416-SLG-Acrylonitrile-Butadiene-Styrene-ABS-Resin.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ISO 1183
Apparent Bulk Density	0.650 g/cc	0.0235 lb/in ³	ISO 60
Linear Mold Shrinkage, Flow	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ISO 294-4
Melt Flow	8.5 g/10 min @Load 10.0 kg, Temperature 220 Â°C	8.5 g/10 min @Load 22.0 lb, Temperature 428 Â°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	39.0 MPa	5660 psi	ISO 527-2/50
Elongation at Break	60 %	60 %	ISO 527-2/50
Tensile Modulus	1.90 GPa	276 ksi	Injection Molded; ISO 527-2
Flexural Strength	62.0 MPa	8990 psi	3-point, 2 mm/min; ISO 178
Flexural Modulus	2.05 GPa	297 ksi	3-point, 2 mm/min; ISO 178
Charpy Impact, Notched	0.800 J/cm ² @Temperature -30.0 Â°C	3.81 ft-lb/in ² @Temperature -22.0 Â°F	ISO 179/1eA
	1.20 J/cm ² @Temperature 23.0 Â°C	5.71 ft-lb/in ² @Temperature 73.4 Â°F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	84.0 Â°C	183 Â°F	Unannealed; ISO 75-2/A

Vicat Softening Point Thermal Properties	107 Å°C Metric	225 Å°F English	ISO 306/B50 Comments
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