

NOVA Chemicals Dylark® 432 High-Heat Styrenic Copolymer

Category : Polymer , Thermoplastic , SMA Polymer , Styrene-Maleic Anhydride (SMA), Heat Resistant

Material Notes:

Product Description and Features: Styrenic copolymer with excellent heat resistance and good modulus. Resin designed for use as an additive to promote adhesion and compatibility in compounding of selective natural and synthetic resins and polymers. **Processing:** Contact NOVA Chemicals technical personnel for processing assistance. Data presented here is based on test results from a limited number of samples and may change as additional manufacturing data is obtained. **Availability:** Available in boxes, truckloads, and railcars.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Dylark-432-High-Heat-Styrenic-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ASTM D 792
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D 955
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 230 °C	2.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	44.7 MPa	6480 psi	ASTM D 638
Elongation at Break	1.3 %	1.3 %	ASTM D638
Tensile Modulus	3.66 GPa	531 ksi	ASTM 638
Flexural Strength	89.0 MPa	12900 psi	ASTM D 790
Flexural Modulus	4.00 GPa	580 ksi	ASTM D 790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	119 °C @Thickness 3.17 mm	246 °F @Thickness 0.125 in	Annealed; ASTM D 648
Vicat Softening Point	147 °C @Load 1.00 kg	296 °F @Load 2.20 lb	Rate B; 120°C/min; ASTM D 1525

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