

NOVA Chemicals Dylark® FG7300 High-Heat Styrenic Copolymer

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

Material Notes:

Product Description and Features: Styrene/maleic anhydride copolymer with high-heat resistance and high modulus. Resins designed for use in foam extrusion. **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-FG7300-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	1.9 g/10 min @Load 2.16 kg, Temperature 230 °C	1.9 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	55.2 MPa	8010 psi	ASTM D 638
Elongation at Break	2.2 %	2.2 %	ASTM D 638
Tensile Modulus	3.35 GPa	486 ksi	ASTM D 638
Flexural Strength	128 MPa	18600 psi	ASTM D 790
Flexural Modulus	3.66 GPa	531 ksi	ASTM D 790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	118 °C @Thickness 3.17 mm	244 °F @Thickness 0.125 in	Annealed; ASTM D 648
Vicat Softening Point	131 °C @Load 1.00 kg	268 °F @Load 2.20 lb	Rate B; 120°C/min; ASTM D 1525

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