

## NOVA Chemicals Dylark® FG2500 High-Heat Styrenic Copolymer

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

### Material Notes:

**Product Description and Features:** Styrenic copolymer with high-heat resistance, high-impact strength and good toughness. Resins used in food grade sheet extrusion and injection molding applications. **Microwavable Resin 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-FG2500-High-Heat-Styrenic-Copolymer.php](http://www.lookpolymers.com/polymer_NOVA-Chemicals-Dylark-FG2500-High-Heat-Styrenic-Copolymer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 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	0.60 g/10 min @Load 2.16 kg, Temperature 230 °C	0.60 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	26.0 MPa	3770 psi	0.2 inches/minute; ASTM D 638
Tensile Strength, Yield	28.0 MPa	4060 psi	0.2 inches/minute; ASTM D 638
Elongation at Break	20 %	20 %	0.2 inches/minute; ASTM D 638
Tensile Modulus	2.07 GPa	300 ksi	0.2 inches/minute; ASTM D 638
Flexural Strength	57.0 MPa	8270 psi	at <5% Strain, flexural testing speed of 0.5 inches/minute; ASTM D 790
Flexural Modulus	2.14 GPa	310 ksi	Flexural testing speed of 0.5 inches/minute; ASTM D 790
Izod Impact, Notched	2.67 J/cm @Thickness 3.17 mm	5.00 ft-lb/in @Thickness 0.125 in	ASTM D 256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	107 °C @Thickness 3.17 mm	225 °F @Thickness 0.125 in	Annealed; ASTM D 648
Vicat Softening Point	123 °C @Load 1.00 kg	253 °F @Load 2.20 lb	Rate B; 120°C/min; ASTM D 1525

## **Contact Songhan Plastic Technology Co.,Ltd.**

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