Ineos Nova 5400 High Impact Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Impact Modified

Material Notes:

High impact, Good environmental stress crack resistance, USP Class VIApplications: Thermoformed containers and lids, Hot and cold beverage cups, Custom sheet, Single service packagingProperties were determined on injection molded specimens at 23Â°C and 50% R.H. unless otherwise specified.Information provided by NOVA Chemicals.INEOS NOVA began October 1 2007 as an expansion of the 50:50 joint venture between NOVA Chemicals and INEOS to include North American assets.Â

Order this product through the following link:
http://www.lookpolymers.com/polymer_Ineos-Nova-5400-High-Impact-Polystyrene.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/inÂ³	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D955
Melt Flow	2.5 g/10 min	2.5 g/10 min	Condition G

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	40	40	
Tensile Strength, Yield	20.0 MPa	2900 psi	ASTM D638
Elongation at Break	70 %	70 %	ASTM D638
Modulus of Elasticity	1.897 GPa	275.1 ksi	ASTM D638
Flexural Yield Strength	48.0 MPa	6960 psi	ASTM D790
Flexural Modulus	2.069 GPa	300.1 ksi	ASTM D790
Izod Impact, Notched	1.39 J/cm @Diameter 3.17 mm	2.60 ft-lb/in @Diameter 0.125 in	bar, 0.010" notch radius; ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	75.0 Âµm/m-Â°C @Temperature 20.0 Â°C	41.7 Âµin/in-Â°F @Temperature 68.0 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	84.0 Â°C	183 Â°F	ASTM D648
Vicat Softening Point	99.0 Â°C	210 Â°F	ASTM D1525
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.59 @Frequency 1e+6 Hz	2.59 @Frequency 1e+6 Hz	
Dielectric Strength	15.7 kV/mm @Thickness 3.17 mm	400 kV/in @Thickness 0.125 in	

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 274 Â°C	374 - 525 Â°F	
Mold Temperature	38.0 - 82.0 Â°C	100 - 180 Â°F	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China