Ineos Nova S-6600 High Impact Compact Polystyrene (discontinued **)

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

Material Notes:

High impact polystyrene which is very easy processed in extension and thermoforming processes. Typical applications are packaging of food stuffs like Yogurt beakers but technical parts and extruded profiles are easily processed too. For injection molding generally a material with better flow characteristics and a lubricated type is used.All mechanical properties measured under standard conditions 50% RH and 23°C.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.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Ineos-Nova-S-6600-High-Impact-Compact-Polystyrene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in³	DIN 53479
Water Absorption	<= 0.10 %	<= 0.10 %	DIN 53495
Melt Flow	4.5 g/10 min @Load 5.00 kg, Temperature 200 °C	4.5 g/10 min @Load 11.0 lb, Temperature 392 °F	DIN 5375/ISO 1133

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	85.0 MPa	12300 psi	DIN 53456
Tensile Strength, Ultimate	25.0 MPa	3630 psi	DIN 53455
Elongation at Break	48 %	48 %	DIN 53455
Modulus of Elasticity	1.90 GPa	276 ksi	DIN 53457
Flexural Yield Strength	45.0 MPa	6530 psi	DIN 53452
Izod Impact, Notched (ISO)	5.00 kJ/m²	2.38 ft-lb/in²	DIN 53453/ISO 179
	9.00 kJ/m²	4.28 ft-lb/in²	Low Temp; DIN 53453
Izod Impact, Unnotched (ISO)	NB	NB	DIN 53453

Thermal Properties	Metric	English	Comments
CTE, linear	80.0 µm/m-°C @Temperature 20.0 °C	44.4 µin/in-°F @Temperature 68.0 °F	DIN 53752
Thermal Conductivity	0.160 W/m-K	1.11 BTU-in/hr-ft²-°F	DIN 52612
Vicat Softening Point	91.0 °C	196 °F	DIN 53460

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