

Ineos Nova S-7600MG Compact Polystyrene Microgranulates (discontinued **)

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

High impact polystyrene Microgranulates, having a diameter of 0.8 -1.0 mm, especially useful for compounding and extrusion applications. Due to the very high viscosity and the absence of weakener, end-products of compounding or extruding are very hard and stiff. 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-7600MG-Compact-Polystyrene-Microgranulates-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	DIN 53479
Water Absorption	<= 0.10 %	<= 0.10 %	DIN 53495
Melt Flow	2.5 g/10 min	2.5 g/10 min	DIN 53735/ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	28.0 MPa	4060 psi	DIN 53455
Elongation at Break	30 %	30 %	DIN 53455
Modulus of Elasticity	1.50 GPa	218 ksi	DIN 53457
Flexural Yield Strength	24.0 MPa	3480 psi	DIN 53452
Flexural Modulus	1.40 GPa	203 ksi	DIN 53457/ISO 178
Izod Impact, Notched (ISO)	7.00 kJ/m ²	3.33 ft-lb/in ²	Low Temp; DIN 53453
	8.00 kJ/m ²	3.81 ft-lb/in ²	DIN 53453/ISO 179
Izod Impact, Unnotched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	DIN 53453

Thermal Properties	Metric	English	Comments
CTE, linear	80.0 µm/m-°C	44.4 µin/in-°F	DIN 53752
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	0.160 W/m-K	1.11 BTU-in/hr-ft ² -°F	DIN 52612
Vicat Softening Point	96.0 °C	205 °F	DIN 53460

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