

## Ineos Nova S-3500MG Compact Polystyrene Microgranulates (discontinued \*\*)

Category : Polymer , Thermoplastic , Polystyrene (PS)

### Material Notes:

Very easy flowing medium impact polystyrene Microgranulates, having a diameter of 0.8 - 1.0 mm and a very large specific surface areas. This grade is especially designed for use in compounding and extrusion where well dispersed products with high load of fillers or additives are made. Due to the high flow easy processing in combination with a low energy consumption is achieved. 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-3500MG-Compact-Polystyrene-Microgranulates-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ineos-Nova-S-3500MG-Compact-Polystyrene-Microgranulates-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	DIN 53479
Water Absorption	<= 0.10 %	<= 0.10 %	DIN 53495
Melt Flow	15 g/10 min	15 g/10 min	DIN 53735/ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	20.0 MPa	2900 psi	DIN 53455
Elongation at Break	30 %	30 %	DIN 53455
Modulus of Elasticity	1.50 GPa	218 ksi	DIN 53457
Flexural Yield Strength	18.0 MPa	2610 psi	DIN 53452
Flexural Modulus	1.50 GPa	218 ksi	DIN 53457/ISO 178
Izod Impact, Notched (ISO)	4.50 kJ/m <sup>2</sup>	2.14 ft-lb/in <sup>2</sup>	Low Temp; DIN 53453
	5.00 kJ/m <sup>2</sup>	2.38 ft-lb/in <sup>2</sup>	DIN 53453/ISO 179
Izod Impact, Unnotched (ISO)	50.0 kJ/m <sup>2</sup>	23.8 ft-lb/in <sup>2</sup>	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 <sup>2</sup> -°F	DIN 52612
Vicat Softening Point	93.0 °C	199 °F	DIN 53460

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