

## Ineos Nova S-4400 High Impact Compact Polystyrene (discontinued \*\*)

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

### Material Notes:

Impact polystyrene which combines excellent flow characteristics with a good dimensional stability under heat and a high stiffness. This grade is designed for injection molding of technical parts of a completed design. For injection molding generally 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-4400-High-Impact-Compact-Polystyrene-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ineos-Nova-S-4400-High-Impact-Compact-Polystyrene-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	7.0 g/10 min @Load 5.00 kg, Temperature 200 °C	7.0 g/10 min @Load 11.0 lb, Temperature 392 °F	DIN 5375/ISO 1133

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	102 MPa	14800 psi	DIN 53456
Tensile Strength, Ultimate	30.0 MPa	4350 psi	DIN 53455
Elongation at Break	38 %	38 %	DIN 53455
Modulus of Elasticity	2.20 GPa	319 ksi	DIN 53457
Flexural Yield Strength	50.0 MPa	7250 psi	DIN 53452
Izod Impact, Notched (ISO)	4.00 kJ/m <sup>2</sup>	1.90 ft-lb/in <sup>2</sup>	Low Temp; DIN 53453
	7.00 kJ/m <sup>2</sup>	3.33 ft-lb/in <sup>2</sup>	DIN 53453/ISO 179
Izod Impact, Unnotched (ISO)	75.0 kJ/m <sup>2</sup>	35.7 ft-lb/in <sup>2</sup>	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-ft <sup>2</sup> -°F	DIN 52612
Vicat Softening Point	97.0 °C	207 °F	DIN 53460

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

**Website : [www.lookpolymers.com](http://www.lookpolymers.com)**

**Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**