

## Ineos Nova 879 High Performance Styrenic Enhanced Polystyrene (discontinued \*\*)

Category : Polymer , Thermoplastic , Polystyrene (PS)

### Material Notes:

High heat crystal polystyrene, Color stable, Custom colors  
**Applications:** Injection molding, Designed for applications requiring high strength, high heat resistance, and color stability  
**Performance grades of polystyrene are engineered to have specific properties. These products can be custom colored. NOVA Chemicals can accurately match your color needs with its leading edge color technology. Injection Speed: Fast**  
**Colored material may differ in some properties. All molded samples were an 1/8 inch thick unless noted.**  
**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-879-High-Performance-Styrenic-Enhanced-Polystyrene-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ineos-Nova-879-High-Performance-Styrenic-Enhanced-Polystyrene-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955
Melt Flow	3.5 g/10 min @Load 5.00 kg, Temperature 200 °C	3.5 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	2.0 in/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	2.0 in/min; ASTM D638
Flexural Strength	69.0 MPa	10000 psi	0.1 in/min; ASTM D790
Flexural Modulus	3.10 GPa	450 ksi	0.1 in/min; ASTM D790
Izod Impact, Notched	0.200 J/cm	0.375 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	93.0 °C	199 °F	ASTM D648
Vicat Softening Point	106 °C	223 °F	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	<= 260 °C	<= 500 °F	
Rear Barrel Temperature	185 - 207 °C	365 - 405 °F	

Processing Properties	Metric	English	Comments
Front Barrel Temperature	216 - 238 °C	421 - 460 °F	
Melt Temperature	216 - 238 °C	421 - 460 °F	
Mold Temperature	27.0 - 54.0 °C	80.6 - 129 °F	
Drying Temperature	68.0 °C	154 °F	
Dry Time	2 hour	2 hour	
Back Pressure	0.345 MPa	50.0 psi	

## 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