

## Ineos Styrenics Polystyrene 476M Q598 (NAFTA)

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

### Material Notes:

High-impact grade of polystyrene with good ESCR designed to provide uniform melt flow for excellent processability. Information provided by BASF. Ineos Styrenics purchased this product line from BASF in 2005.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ineos-Styrenics-Polystyrene-476M-Q598-NAFTA.php](http://www.lookpolymers.com/polymer_ineos-Styrenics-Polystyrene-476M-Q598-NAFTA.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	
Moisture Absorption at Equilibrium	<= 0.10 %	<= 0.10 %	
Water Absorption at Saturation	<= 0.10 %	<= 0.10 %	
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D955
Melt Flow	3.2 g/10 min @Load 5.00 kg, Temperature 200 Â°C	3.2 g/10 min @Load 11.0 lb, Temperature 392 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	23.0 MPa	3340 psi	
Tensile Strength, Yield	21.0 MPa	3050 psi	
Elongation at Break	60 %	60 %	
Tensile Modulus	1.38 GPa	200 ksi	
Flexural Modulus	1.66 GPa	241 ksi	
Izod Impact, Notched	1.55 J/cm	2.90 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	85.0 Â°C	185 Â°F	
Vicat Softening Point	99.0 Â°C	210 Â°F	
Flammability, UL94	HB @Thickness 1.00 mm	HB @Thickness 0.0394 in	

Optical Properties	Metric	English	Comments
Gloss	30 %	30 %	

Optical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Processing Temperature	200 - 230 Â°C	392 - 446 Â°F	Extrusion
	180 - 280 Â°C	356 - 536 Â°F	Molding

## 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