

Ineos Styrenics Polystyrene 148G (NAFTA)

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Heat Resistant Grade

Material Notes:

High heat, easy flow general purpose polystyrene with excellent clarity. Designed for applications requiring a combination of fast processing with good strength and heat resistance. 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-148G-NAFTA.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	
Linear Mold Shrinkage	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	ASTM D955
Melt Flow	6.0 g/10 min	6.0 g/10 min	
	@Load 5.00 kg, Temperature 200 °C	@Load 11.0 lb, Temperature 392 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	44.0 MPa	6380 psi	
Elongation at Break	2.0 %	2.0 %	
Tensile Modulus	2.48 GPa	360 ksi	
Flexural Modulus	3.10 GPa	450 ksi	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	88.0 °C	190 °F	
Vicat Softening Point	109 °C	228 °F	
Flammability, UL94	HB	HB	
	@Thickness 1.47 mm	@Thickness 0.0579 in	

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

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