



Polyintec® PS330-IH

High Impact Polystyrene for Extrusion and Injection Molding

Product Description:

Polyintec® PS330-IH is a high-impact polystyrene (HIPS) designed for both extrusion and injection molding processes. It is particularly well-suited for extrusion thermoforming applications where high gloss and stiffness are required. Its unique blend of thermal properties and high stiffness makes Polyintec® PS330-IH ideal for thin-walling, high-speed thermoforming, achieving high gloss, and use in small appliance and electronics applications.

Suggested Applications:

Food service disposables (lids, cups, portion cup containers), Injection molding applications requiring high gloss.

Nominal Physical Properties:

Property	Method	Unit	Typical Value
Rheological Properties			
Melt Flow (200°C-5kg)	D-1238	g/10min	4.0
Mechanical Properties			
Falling Dart	D-3029	in-lb	120
Izod - notched	D-256	ft-lbs/in	2.0
Tensile Strength	D-638	psi	4,400
Tensile Modulus	D-638	psi (10 ⁵)	3.4
Elongation	D-638	%	45
Flexural Strength	D-790	psi	8,000
Flexural Modulus	D-790	psi (10 ⁵)	3.7
Thermal Properties			
Heat Distortion - Annealed	D-648	°F	201
Vicat Softening	D-1525	°F	214
Other Physical Properties			
Gloss	D-523	60°	92
Density		g/cm ³	1.04
Linear Shrinkage	D-955	in/in	0.004 - 0.008
Moisture		%	<0.1

Important Note:

The properties listed above are typical values obtained under laboratory conditions and are not intended to be used as specifications. Users should perform their own tests to determine the suitability of this product for their particular purposes. The information is provided as is, without any warranties.

