

Injection Molding

Applications

- Textile spools
- Excellent color concentrate carrier resin
- Medical applications

Description

HIPS C13 is a high melt flow, high impact polystyrene specially designed for hard to fill injection molding applications. The material is targeted for large parts, thin wall parts, or molds with complex runner and gate systems. The high flow material aids production of stress free parts.

Property	Value	Unit	Method
Melt Index	13	g/10min	D 1238
Density	1.04	g/cm ³	
Falling Dart	120	in-lb	D 3029
Izod Impact	2.1	ft-lbs/in	D 256
Tensile Strength	3300	psi	D 638
Tensile Modulus	3.2	psi	D 638
Elongation	45	%	D 638
Flexural Strength	5700	psi	D 790
Flexural Modulus	3	psi	D 790
Heat Distortion - Annealed	189	°F	D 648
Vicat Softening	200	°F	D 1525
Gloss	94		D 523
Linear Shrinkage	.004 - .007	in/in	D 955
Moisture	<0.1	%	

This information, to our knowledge, is believed to be correct. The use of this product in its actual conditions are beyond our control and satisfactory results for this product is the customer's sole responsibility. User must make their own decisions regarding its suitability for their equipment and final products.

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