

ColorFast® HIPS-100F

Americhem - High Impact Polystyrene

General Information

Product Description

HIPS-100F is a high flow injection molding grade of high impact polystyrene (HIPS) suitable for suitable for a wide range of industries including food grade applications.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Excellent Colorability	• Food Contact Acceptable	
Uses	• Battery Cases • Closures	• Consumer Applications • Household Goods	• Industrial Applications • Industrial Parts
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.04		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	9.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	4100	psi	ASTM D638
Tensile Elongation ² (Break)	55	%	ASTM D638
Flexural Modulus ²	325000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	2.2	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed, 0.250 in)	194	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in		HB	
0.12 in		HB	

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min

