

ColorFast® GPA300F

Americhem - Acrylonitrile Butadiene Styrene

General Information

Product Description

Super-tough ABS with our highest impact strength, extrusion grade, FDA

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Excellent Colorability	• Food Contact Acceptable	
Uses	• 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) (220°C/10.0 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in)	5.0E-3 to 8.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	5800	psi	ASTM D638
Tensile Strength ² (Break)	4200	psi	ASTM D638
Tensile Elongation ² (Yield)	3.0	%	ASTM D638
Tensile Elongation ² (Break)	50	%	ASTM D638
Flexural Modulus ²	275000	psi	ASTM D790
Flexural Strength ²	10000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	7.0	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed, 0.250 in)	181	°F	ASTM D648

Notes

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

² 2.0 in/min

