

ColorFast® PE1-0800

Americhem - High Density Polyethylene

General Information

Product Description

High density polyethylene that is tailored for injection molding applications.

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.962		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	4600	psi	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Flexural Modulus	229000	psi	ASTM D790
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	63		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	151	°F	ASTM D648

Processing Information

Extrusion	Nominal Value	Unit
Drying Temperature	175	°F
Drying Time	2.0	hr
Melt Temperature	380 to 450	°F

Notes

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

