

ColorFast® HDPE

Americhem - High Density Polyethylene Copolymer

General Information

Product Description

HDPE is a fractional melt grade of high density polyethylene with good melt strength, stiffness, and environmental stress cracking resistance. It is suitable for a wide range of 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	0.952		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.40 to 0.60	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR)	> 1000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3800	psi	ASTM D638
Flexural Modulus	165000	psi	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	255	°F	ASTM D1525

Notes

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

