



TexRes High Density Polyethylene (20 melt flow)

TexCo Resin - High Density Polyethylene

General Information

Product Description

TexCo HDPE is designed for applications that require good flow, impact strength and stiffness. Recommended uses include toys, house wares, automotive applications, food pails and closures.

General

Features	• Good Flow	• Good Impact Resistance	• Good Stiffness
Uses	• Automotive Applications • Closures	• Household Goods • Pails	• Toys
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR) 10% Igepal	< 1.00	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	4000	psi	ASTM D638
Tensile Elongation (Break)	260	%	ASTM D638
Flexural Modulus - 2% Secant	164000	psi	ASTM D790B
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	55		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	255	°F	ASTM D1525

Processing Information

Injection	Nominal Value	Unit
Processing (Melt) Temp	< 425	°F