

Trademark PE HD10950

High Density Polyethylene
Trademark Plastics Corporation

Message:

Trademark PE HD10950 is a High Density Polyethylene product. It can be processed by blow molding or sheet extrusion and is available in North America. Applications of Trademark PE HD10950 include containers, bags/liners, engineering/industrial parts, food contact applications and sheet. Characteristics include:
Food Contact Acceptable
High ESCR (Stress Crack Resistant)
Impact Resistant
Rigid

General Information	
Features	Food Contact Acceptable High ESCR (Stress Crack Resist.) High Impact Resistance High Rigidity
Uses	Containers Industrial Containers Liners Pallets Sheet
Agency Ratings	FDA 21 CFR 177.1520
Forms	Granules
Processing Method	Blow Molding Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	11	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	> 800	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	67		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.2	MPa	ASTM D638
Tensile Elongation (Break)	> 750	%	ASTM D638
Flexural Modulus	1170	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -75.0	°C	ASTM D746

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