HDPE B10H954

High Density Polyethylene - Powder

StarResin

Overview

This high density polyethylene designed for blow molding and extrusion applications that require high impact strength, high high rigidity and chemical resistance. This grade has good ESCR. This grade comes in powder form and includes antioxidants.

Applications

- Top Drums
- Jerry Cans
- Packaging for dangerous goods
- Blow molding applications

Property	Value	Unit	ASTM
Melt index (condition 190°C/2.16 kg)	10 HLMI	g/10 min	D 1238
Density (g/cm³)	0.954	g/cm³	D 792
Bulk Density	>0.460	g/cm3	ISO 60
Tensile Modulus, 23 °C	1200	MPa	ISO 527-1,-2
Tensile Stress at Yield, 23 °C	27.0	MPa	ISO 527-1,-2
Tensile Strain at Yield	9.0	%	ISO 527-1,-2
Tensile Impact Strength	250	KJ/m2	ISO 8256
Hardness (H 132/30)	52.0	MPa	ISO 2039-1
Vicat Softening Temp. (50°C/h 10n)	132	°C	ISO 306
Vicat Softening Temp. (50°C/h 50n)	80	°C	ISO 306
Heat Deflection Temp. (.45 MPa)	75	°C	ISO 75B-1, -2
Heat Deflection Temp. (1.80 MPa)	44	°C	ISO 75A-1, -2
Melting Temperature	134	°C	ISO 3146
ESCR, Condition B, F50	12	hrs	ISO 16770

This information, to our knowledge, is believed to be correct. The use of this product in its actual conditions are beyond our control and satisfactory results for this product is the customer's sole responsibility. User must make their own decisions regarding its suitability for their equipment and final products.