Braskem PE HDB0358

High Density Polyethylene

Braskem IDESA

Message:

HDB0358 is a bimodal high-density polyethylene copolymer grade. It has an outstanding stiffness and environmental stress crack resistance (ESCR) balance making it ideal for use in a wide range of blow moulding applications. This grade is particularly well suited to chemical and detergent packaging as the exceptional ESCR can allow for significant bottle weight reduction.
Application:
Blow molded containers up to 25 liters capacity for packaging chemicals, many household products, oils and foodstuffs.
Sheet and Corrugated Pipe Extrusion.
Process:
Blow Molding and Extrusion.

General Information	
Features	Rigid, good
	High ESCR (Stress Cracking Resistance)
	Copolymer
	Bimodal molecular weight distribution
Uses	Blown Containers
	Packaging
	Bellows
	Blow molding applications
	Sheet
	Food packaging
Processing Method	Blow molding
	Pipeline extrusion molding
	Extrusion
	Sheet extrusion molding

Physical	Nominal Value	Unit	Test Method
Density	0.958	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (50°C, 100% Adinol)	> 200	hr	ASTM D1693
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	28.0	MPa	ISO 527-2
Tensile Strain (Break)	> 300	%	ISO 527-2
Flexural Modulus	1200	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Unnotched Impact Strength	12	kJ/m²	ISO 179

Recommended distributors for this material

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