

Eraclene® BB 82

High Density Polyethylene

Versalis S.p.A.

Message:

Eraclene BB 82 is a high density polyethylene resin (HDPE), with antioxidants, suitable for blow moulding application. It is especially recommended for the production of containers up to 220 liters.

Main Application

Eraclene BB 82 provides an excellent combination of extrudability and parison stability, which, in turn, allows to obtain an uniform wall thickness in large blow moulded parts. Eraclene BB 82 is ideal for the production of various industrial containers. Its broad molecular weight distribution leads to an outstanding environmental stress cracking resistance (ESCR) in combination with a good rigidity.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	High Density		
	High ESCR (Stress Crack Resist.)		
	Medium Rigidity		
	Wide Molecular Weight Distribution		
Uses	Blow Molding Applications		
	Containers		
	Industrial Containers		
Agency Ratings	EU Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.15	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (Compression Molded)	> 750	hr	ISO 22088
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Compression Molded)	65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield, Compression Molded	27.0	MPa	
Break, Compression Molded	30.0	MPa	
Tensile Strain (Break, Compression Molded)	> 600	%	ISO 527-2
Flexural Modulus (Compression Molded)	1200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact ¹ (Compression Molded)	No Break		ISO 180
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -60.0	°C	ASTM D746
Vicat Softening Temperature	127	°C	ISO 306/A
Melting Temperature	135	°C	Internal Method
NOTE			

1.	Method A
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