

RELENE® B56003

High Density Polyethylene

Reliance Industries Limited

Message:

B56003 is a High Density Polyethylene (HDPE) grade suitable for general purpose extrusion blow moulding applications. Articles blown from this grade exhibit good stiffness. The resin offers good melt strength, ESCR and impact resistance and typically used for packaging of oil, vanaspati, general purpose containers, jerry can, etc.

General Information			
Features	Food Contact Acceptable		
	Good Stiffness		
Uses	Blow Molding Applications		
	Containers		
	Jerricans		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
	IS 10141-1982		
	IS 10146-1982		
Processing Method	Extrusion Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.956	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	1.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Injection Molded)	69		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	26.0	MPa	ASTM D638
Tensile Elongation (Break, Injection Molded)	550	%	ASTM D638
Flexural Modulus (Injection Molded)	900	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	128	°C	ASTM D1525

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Recommended distributors for this material

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