

RELENE® 46GB012

High Density Polyethylene
Reliance Industries Limited

Message:

46GB012 is a High Density Polyethylene (HDPE) blow moulding grade. It possesses high impact strength, outstanding ESCR and bimodal molecular weight distribution for easy processability. 46GB012 can be readily processed on most HDPE blow moulding lines.

General Information			
Features	Bimodal Molecular Weight Distribution		
	Food Contact Acceptable		
	Good Processability		
	High Impact Resistance		
Uses	Blow Molding Applications		
	Containers		
Agency Ratings	FDA 21 CFR 177.1520		
	IS 10141-1982		
	IS 10146-1982		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.946	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	1.2	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (Injection Molded, F50)	> 600	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	23.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	12	%	ASTM D638
Flexural Modulus (Injection Molded)	700	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Injection Molded)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	123	°C	ASTM D1525

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Recommended distributors for this material

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