

RELENE® 52GB010

High Density Polyethylene

Reliance Industries Limited

Message:

G2GB010 is a High Density Polyethylene (HDPE) blow moulding grade. It possesses good die swell, weld line strength, impact strength and broad molecular weight distribution for easy processability. 52GB010 can readily be processed on most of the HDPE blow moulding lines.

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processability		
	Med.-Wide Molecular Weight Distrib.		
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	0.952	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	1.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	28.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	12	%	ASTM D638
Flexural Modulus (Injection Molded)	900	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	127	°C	ASTM D1525

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

