

# RELENE® 52GB001

High Density (HMW) Polyethylene

Reliance Industries Limited

## Message:

52GB001 is a High Molecular Weight High Density Polyethylene (HMHDPE) blow moulding grade with very good impact strength, stiffness and good ESCR produced. It possesses medium molecular weight distribution and easy processability. 52GB001 can readily be processed on most of the large volume blow moulding machines with accumulators.

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processability		
	High ESCR (Stress Crack Resist.)		
	High Molecular Weight		
	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 <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/10.0 kg	0.40	g/10 min	
190°C/21.6 kg	2.3	g/10 min	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Compression Molded)	30.0	MPa	ASTM D638
Tensile Elongation (Yield, Compression Molded)	10	%	ASTM D638
Flexural Modulus (Compression Molded)	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Compression Molded)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	126	°C	ASTM D1525

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any

infringement occurs, please contact us immediately.

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

