

Safrene® B 7750

High Density Polyethylene

Safripol (PTY) LTD

Message:

Safrene® B 7750 High Density Polyethylene Resin is an easy flowing injection moulding grade with good rigidity, drop strength and environmental stress-crack resistance.

General Information			
Features	Food Contact Acceptable		
	Good Flow		
	Good Impact Resistance		
	High ESCR (Stress Crack Resist.)		
	Medium Rigidity		
Uses	Caps		
	Containers		
	Household Goods		
	Pails		
Agency Ratings	EU 10/2011		
	FDA 21 CFR 177.1520(c) 3.2a		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.952	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	9.0	g/10 min	
190°C/5.0 kg	28	g/10 min	
Spiral Flow	50.0	cm	Internal Method
Viscosity Number (Reduced Viscosity)	130.0	ml/g	ISO 1628
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Compression Molded)	62		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield, Compression Molded	24.0	MPa	
Break, Compression Molded	28.0	MPa	
Tensile Strain (Break, Compression Molded)	> 600	%	ISO 527-2/50
Flexural Stress (3.5% Strain, Compression Molded)	20.0	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C, Compression Molded	4.0	kJ/m ²	
23°C, Compression Molded	4.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	64.0	°C	ISO 306/B
Peak Crystallization Temperature (DSC)	130 to 133	°C	ISO 3146
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 to 260	°C	
NOTE			
1.	Unannealed		

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

