

# Safrene® C 7260

High Density Polyethylene

Safripol (PTY) LTD

## Message:

Safrene® C 7260 Polyethylene Resin is an injection moulding grade with high flow characteristics, good mechanical strength, high stiffness and low distortion tendency.

General Information			
Features	Food Contact Acceptable		
	Good Strength		
	High Flow		
	High Stiffness		
	Warp Resistant		
Uses	Bottles		
	Containers		
	Crates		
	Lids		
	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 <sup>1</sup>	0.957	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	7.0	g/10 min	
190°C/5.0 kg	23	g/10 min	
Spiral Flow	47.0	cm	Internal Method
Viscosity Number (Reduced Viscosity)	140.0	ml/g	ISO 1628
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Compression Molded)	65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield, Compression Molded	28.0	MPa	
Break, Compression Molded	29.0	MPa	
Tensile Strain (Break, Compression Molded)	> 600	%	ISO 527-2/50

Flexural Stress (3.5% Strain,Compression Molded)	23.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C, Compression Molded	4.0	kJ/m <sup>2</sup>	
23°C, Compression Molded	4.0	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	71.0	°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		

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#### Recommended distributors for this material

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