

Sumitomo PE M8060

High Density Polyethylene
Sumitomo Chemical Asia

Message:

Applications: For technical parts with moderate ESCR requirements, cartridges, storage containers, stacking crates, pallets, and closures.
Characteristics: High stiffness and rigidity with good impact, and stress cracking resistance.

General Information			
Features	Good Impact Resistance		
	High ESCR (Stress Crack Resist.)		
	High Rigidity		
	High Stiffness		
Uses	Closures		
	Containers		
	Crates		
	Engineering Parts		
Agency Ratings	EU 2002/72/EC		
	EU 2004/19/EC		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.960	g/cm ³	ASTM D792A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (10% Igepal)	5.00	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	68		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	29.0	MPa	
Break	16.0	MPa	
Tensile Elongation (Break)	760	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	3.0	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	127	°C	ASTM D1525 ¹

Injection	Nominal Value	Unit
Processing (Melt) Temp	160 to 220	°C
Mold Temperature	15.0 to 40.0	°C
NOTE		
1.	Rate A (50°C/h), Loading 1 (10 N)	

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

