

ExxonMobil™ PP7043L1

Polypropylene Impact Copolymer

ExxonMobil Chemical

Message:

An impact-resistant copolymer resin with moderate fluidity. It is also suitable for consumer goods, containers and other molding occasions and hard packaging occasions.

General Information			
Features	Medium liquidity		
Uses	Battery box		
	Tools/Parts Box		
	Industrial application		
	Architectural application field		
	Container		
	Hard packaging		
Appearance	Natural color		
Forms	Particle		
Processing Method	Composite		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.8	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	61		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant	1200	MPa	ISO 527-2/1
Tensile Stress (Yield)	24.3	MPa	ISO 527-2/50
Tensile Strain (Yield)	5.2	%	ISO 527-2/50
Flexural Modulus - Secant	1120	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	4.8	kJ/m ²	ISO 179/1eA
0°C	6.7	kJ/m ²	ISO 179/1eA
23°C	12	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C)	10	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	78.3	°C	ISO 75-2/B
1.8 MPa, not annealed	49.6	°C	ISO 75-2/A

Vicat Softening Temperature	147	°C	ISO 306/A50
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Legal statement

本产品不宜在医疗应用中使用,亦不应在任何此类应用中使用有关潜在食品接触应用合规信息(例如:FDA,EU,HPFB),请与埃克森美孚化工客户服务代表联系.

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