

ExxonMobil™ PP7054L1

Polypropylene Impact Copolymer

ExxonMobil Chemical

Message:

An impact copolymer resin containing a nucleating agent with moderate fluidity. It is suitable for consumer goods, bottle stoppers, containers, toys and other molding occasions and hard packaging occasions.

General Information	
Features	Nucleated
	Good liquidity
Uses	Battery box
	Tools/Parts Box
	Industrial application
	Architectural application field
	Container
	Barrel
	Toys
	Hard packaging
	Loading box
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)	16	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	62		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant	1240	MPa	ISO 527-2/1
Tensile Stress (Yield)	22.9	MPa	ISO 527-2/50
Tensile Strain (Yield)	4.6	%	ISO 527-2/50
Flexural Modulus	1080	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	4.9	kJ/m²	ISO 179/1eA
0°C	6.6	kJ/m²	ISO 179/1eA
23°C	11	kJ/m²	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	86.8	°C	ISO 75-2/B
1.8 MPa, not annealed	50.3	°C	ISO 75-2/A
Vicat Softening Temperature	145	°C	ISO 306/A50
Melting Temperature (DSC)	162	°C	ISO 3146
Peak Crystallization Temperature (DSC)	122	°C	ISO 3146
Legal statement			

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