

ExxonMobil™ PP1055E2

Polypropylene Homopolymer

ExxonMobil Chemical

Message:

A homopolymer resin containing a nucleating agent with good fluidity and antistatic properties. It is suitable for media packaging, containers and other items requiring a short molding cycle.

General Information			
Features	Nucleated		
	Antistatic property		
	Fast molding cycle		
Uses	Cover		
	Shield		
	Container		
	Shell		
	Consumer goods application field		
	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)	53	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	71		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1680	MPa	ISO 527-2/1
Tensile Stress (Yield)	35.8	MPa	ISO 527-2/50
Tensile Strain (Yield)	7.7	%	ISO 527-2/50
Flexural Modulus	1660	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.6	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C)	2.3	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	96.0	°C	ISO 75-2/B
1.8 MPa, not annealed	52.0	°C	ISO 75-2/A

Vicat Softening Temperature	153	°C	ISO 306/A50
Melting Temperature (DSC)	162	°C	ISO 3146
Peak Crystallization Temperature (DSC)	124	°C	ISO 3146

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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