

ExxonMobil™ PP1364E2

Polypropylene Homopolymer

ExxonMobil Chemical

Message:

A homopolymer resin with a medium melt flow rate, suitable for color master carriers and other composite modification occasions, as well as the molding of courtyard furniture, lids and other consumer products.

General Information			
Uses	Cup		
	Composite		
	Shield		
	Furniture		
	Shell		
	Consumer goods application field		
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)	12	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (15 sec)	71		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1450	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	33.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	8.0	%	ISO 527-2/50
Flexural Modulus (23°C)	1350	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m²	ISO 179/1eA
Notched Izod Impact (23°C)	2.0	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	82.0	°C	ISO 75-2/B
1.8 MPa, not annealed	51.0	°C	ISO 75-2/A
Vicat Softening Temperature	153	°C	ISO 306/A50
Melting Temperature (DSC)	160	°C	ISO 3146
Peak Crystallization Temperature (DSC)	114	°C	ISO 3146
Legal statement			

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