

ExxonMobil™ PP1364E2

Polypropylene Homopolymer

Product Description

A medium melt flow homopolymer resin suitable for masterbatch carrier and other compounding applications and for the molding of garden furniture, caps and other consumer products.

General

Availability ¹	▪ Africa & Middle East	▪ Europe
Uses	▪ Caps ▪ Closures	▪ Compounding ▪ Consumer Applications ▪ Cups ▪ Furniture
Appearance	▪ Natural Color	
Form(s)	▪ Pellets	
Processing Method	▪ Compounding	▪ Injection Molding
Revision Date	▪ 03/01/2010	

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12 g/10 min	12 g/10 min	ISO 1133
Density	0.9 g/cm ³	0.9 g/cm ³	ExxonMobil Method

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield (73°F (23°C))	4790 psi	33.0 MPa	ISO 527-2/50
Tensile Strain at Yield (73°F (23°C))	8.0 %	8.0 %	ISO 527-2/50
Tensile Modulus (73°F (23°C))	210000 psi	1450 MPa	ISO 527-2
Flexural Modulus (73°F (23°C))	196000 psi	1350 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact Strength (73°F (23°C))	0.95 ft·lb/in ²	2.0 kJ/m ²	ISO 180/1A
Charpy Notched Impact Strength (73°F (23°C))	1.4 ft·lb/in ²	3.0 kJ/m ²	ISO 179/1eA

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Melting Temperature (DSC)	320 °F	160 °C	ISO 3146
Peak Crystallization Temperature (DSC)	237 °F	114 °C	ISO 3146
Heat Deflection Temperature (1.80 MPa)	124 °F	51.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	180 °F	82.0 °C	ISO 75-2/B
Vicat Softening Temperature	307 °F	153 °C	ISO 306/A50

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Shore Hardness (15 sec)	71	71	ISO 868

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.

Notes

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.



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