

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	<ul style="list-style-type: none"> Africa & Middle East Europe
Uses	<ul style="list-style-type: none"> Caps Closures Compounding Consumer Applications Cups Furniture
Appearance	<ul style="list-style-type: none"> Natural Color
Form(s)	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Compounding Injection Molding
Revision Date	<ul style="list-style-type: none"> 11/25/2022

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	0.900 g/cm ³	0.900 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 527-1
Flexural Modulus (73°F (23°C))	218000 psi	1500 MPa	ISO 178

Impact

	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact Strength (73°F (23°C))	1.4 ft·lb/in ²	3.0 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
Heat Deflection Temperature (1.80 MPa)	124 °F	51.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	192 °F	89.0 °C	ISO 75-2/B
Vicat Softening Temperature	309 °F	154 °C	ISO 306/A50

Hardness

	Typical Value (English)	Typical Value (SI)	Test Based On
Shore Hardness (15 sec)	67	67	ISO 868

Legal Statement

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

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

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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For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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