

ExxonMobil™ PP1304E5

Polypropylene Homopolymer

Product Description

A homopolymer resin designed for injection molding applications requiring excellent flow and good mechanical properties. It is designed for caps and closures, general purpose applications such as toys, electric appliances, packaging and thin walled parts.

General

Availability ¹	<ul style="list-style-type: none"> Africa & Middle East Asia Pacific
Uses	<ul style="list-style-type: none"> Consumer Applications Furniture Crates Industrial Applications Packaging Tool/Tote Box
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"> 05/01/2017

Physical

	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11 g/10 min	11 g/10 min	ASTM D1238
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	4790 psi	33.0 MPa	ISO 527-2/1A/50
Tensile Strain at Yield	9.0 %	9.0 %	ISO 527-2/1A/50
Tensile Modulus	206000 psi	1420 MPa	ISO 527-1/1A/1
Flexural Modulus (0.079 in/min (2.0 mm/min))	193000 psi	1330 MPa	ISO 178

Impact

	Typical Value (English)	Typical Value (SI)	Test Based On
Charpy Notched Impact Strength (73°F (23°C))	1.6 ft-lb/in ²	3.3 kJ/m ²	ISO 179/1eA

Thermal

	Typical Value (English)	Typical Value (SI)	Test Based On
Peak Melting Temperature	318 °F	159 °C	ASTM D3418
Heat Deflection Temperature (0.45 MPa)	174 °F	79.0 °C	ISO 75-2/B

Hardness

	Typical Value (English)	Typical Value (SI)	Test Based On
Shore Hardness (Shore D, 15 sec)	70	70	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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