



ExxonMobil™ PP1304E3 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	• Africa & Middle East	• Asia Pacific	
Uses	• Consumer Applications • Crates	• Furniture • Industrial Applications	• Packaging • Tool/Tote Box
Appearance	• Natural Color		
Form(s)	• Pellets		
Processing Method	• Compounding	• Injection Molding	
Revision Date	• March 2010		

Physical	Typical Value	Unit	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ASTM D1238
Density	0.9	g/cm ³	ExxonMobil Method

Mechanical	Typical Value	Unit	Test Based On
Tensile Stress at Yield	33.0	MPa	ISO 527-2/1A/50
Tensile Strain at Yield	9.0	%	ISO 527-2/1A/50
Tensile Modulus	1420	MPa	ISO 527-2/1A/1
Flexural Modulus (2.0 mm/min)	1330	MPa	ISO 178

Impact	Typical Value	Unit	Test Based On
Charpy Notched Impact Strength (23°C)	3.3	kJ/m ²	ISO 179/1eA

Thermal	Typical Value	Unit	Test Based On
Peak Melting Temperature	159	°C	ASTM D3418
Heat Deflection Temperature (0.45 MPa)	79.0	°C	ISO 75-2/B

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

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.

For additional technical, sales and order assistance:

Worldwide and the Americas
ExxonMobil Chemical Company

Asia Pacific
ExxonMobil Chemical Asia Pacific

Europe, Middle East and Africa
ExxonMobil Chemical Europe

13501 Katy Freeway
Houston, TX 77079-1398
USA
1-281-870-6050

1 HarbourFront Place
#06-00 HarbourFront Tower One
Singapore 098633
+86-21-24173999

Hermeslaan 2
1831 Machelen, Belgium
420-239-016-274

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

©2012 ExxonMobil. ExxonMobil, the ExxonMobil logo, the interlocking "X" device and other product or service names used herein are trademarks of ExxonMobil, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without ExxonMobil's prior written authorization. To the extent ExxonMobil authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to or reproduce it in whole or in part on a website. ExxonMobil does not guarantee the typical (or other) values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, suitability, accuracy, reliability, or completeness of this information or the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. This document is not an endorsement of any non-ExxonMobil product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "ExxonMobil Chemical" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Chemical Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.

[Download datasheets at www.exxonmobilpp.com](http://www.exxonmobilpp.com)