

# ExxonMobil™ PP1264E1

## Polypropylene Homopolymer

### Product Description

A high melt flow rate homopolymer resin designed to benefit large parts with long flow paths for appliance and other consumer products requiring long-term heat-aging resistance.

### General

Availability <sup>1</sup>	▪ North America		
Features	▪ Detergent Resistant ▪ General Purpose ▪ Good Heat Aging Resistance	▪ Good Processability ▪ Good Thermal Aging Resistance ▪ Heat Stabilized	▪ High Flow
Uses	▪ Appliance Components	▪ Appliances	▪ Consumer Applications
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Compounding	▪ Injection Molding	
Revision Date	▪ 04/01/2013		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20 g/10 min	20 g/10 min	ASTM D1238
Density	0.9 g/cm <sup>3</sup>	0.9 g/cm <sup>3</sup>	ExxonMobil Method

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield 2.0 in/min (51 mm/min)	4740 psi	32.7 MPa	ASTM D638
Elongation at Yield (2.0 in/min (51 mm/min))	12 %	12 %	ASTM D638
Flexural Modulus - 1% Secant 0.051 in/min (1.3 mm/min)	191000 psi	1320 MPa	ASTM D790A
0.51 in/min (13 mm/min)	218000 psi	1500 MPa	ASTM D790B

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact (73°F (23°C))	0.50 ft·lb/in	27 J/m	ASTM D256A
Unnotched Izod Impact (0°F (-18°C))	2.5 ft·lb/in	130 J/m	ASTM D256E

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	209 °F	98.2 °C	ASTM D648
Deflection Temperature Under Load (DTUL) at 264psi - Unannealed	131 °F	55.0 °C	ASTM D648

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Rockwell Hardness	100	100	ASTM D785

### Legal Statement

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

This product, including the product name, shall not be used or tested in any medical application without the prior written acknowledgement of ExxonMobil Chemical as to the intended use.



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Polypropylene Homopolymer**Notes**

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

<sup>1</sup> 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: [www.exxonmobilchemical.com/ContactUs](http://www.exxonmobilchemical.com/ContactUs)

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