

# ExxonMobil™ PP9544MED

## Polypropylene Random Copolymer

### Product Description

A medium clarity random copolymer resin designed for the injection molding of autoclave sterilized medical devices and packages.

### General

Availability <sup>1</sup>	▪ Europe	▪ North America
Features	▪ Autoclave Sterilizable ▪ Clean/High Purity	▪ Controlled Rheology ▪ Ethylene Oxide Sterilizable ▪ Medium Clarity ▪ Steam Sterilizable
Uses	▪ Medical/Healthcare Applications <sup>2</sup>	
Appearance	▪ Natural Color	
Form(s)	▪ Pellets	
Processing Method	▪ Injection Molding	
Revision Date	▪ 12/01/2012	

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	ASTM D1238
Density	0.900 g/cm <sup>3</sup>	0.900 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)	4830 psi	33.3 MPa	ASTM D638
Flexural Modulus - 1% Secant (0.051 in/min (1.3 mm/min))	206000 psi	1420 MPa	ASTM D790A

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact (73°F (23°C))	0.71 ft·lb/in	38 J/m	ASTM D256A

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	203 °F	95.1 °C	ASTM D648

### Legal Statement

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.

<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.

<sup>2</sup> 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. For detailed Product Stewardship information, please contact Customer Service.

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For additional technical, sales and order assistance: [www.exxonmobilchemical.com/ContactUs](http://www.exxonmobilchemical.com/ContactUs)

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