Product Datasheet

ExxonMobil Signature Polymers

# Exceed™ 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 [1] | ▪ Europe | ▪ North America | |
| Features | ▪ Autoclave Sterilizable<br>▪ Clean/High Purity | ▪ Controlled Rheology<br>▪ Ethylene Oxide Sterilizable | ▪ Medium Clarity<br>▪ Steam Sterilizable |
| Uses | ▪ Medical/Healthcare Applications [2] | | |
| 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/cm³ | 0.900 | g/cm³ | ExxonMobil Method |

| Mechanical | Typical Value (English) | | Typical Value (SI) | | Test Based On |
|---|---|---|---|---|---|
| Tensile Strength at Yield | | | | | ASTM D638 |
| 2.0 in/min (51 mm/min) | 4830 | psi | 33.3 | MPa | |
| 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.

[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.

[2] 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.



Manufacturer website: https://www.exxonmobilchemical.com/en/products/polyethylene

ExxonMobil

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For additional technical, sales and order assistance: Contact Us

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