

Product Datasheet



ExxonMobil™ PP9054

Polypropylene Random Copolymer

Product Description

An ultra-clean random copolymer resin designed for injection of specialty, rigid packages such as packages for electronics component raw materials, components and finished products with very low extractables, volatiles, taste and odor.

General

Availability ¹	- Asia Pacific - North America
Features	- Autoclave Sterilizable - Low Emissions - Ethylene Oxide Sterilizable - Low Extractables - Steam Sterilizable
Uses	Rigid Packaging
Appearance	Natural Color
Form(s)	Pellets
Processing Method	Injection Blow Molding
Revision Date	03/01/2010

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 ³	0.900 g/cm ³	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)	4590 psi	31.6 MPa	
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)	177000 psi	1220 MPa	ASTM D790A
0.51 in/min (13 mm/min)	207000 psi	1430 MPa	ASTM D790B

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact (73°F (23°C))	0.62 ft-lb/in	33 J/m	ASTM D256A
Gardner Impact			ASTM D5420
73°F (23°C), 0.125 in (3.18 mm), Geometry GC	108 in-lb	12.2 J	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	181 °F	82.8 °C	ASTM D648

Legal Statement

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.

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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