

Product Datasheet

ExxonMobil™ PP9122

Polypropylene Random Copolymer



Product Description

A random copolymer resin designed for extrusion blow molding applications and thermoforming of medical and other specialty devices and packaging. It has excellent organoleptics and very low ash metal content.

General

Availability ¹	▪ North America		
Features	▪ Autoclave Sterilizable ▪ Clean/High Purity	▪ Ethylene Oxide Sterilizable ▪ Low Extractables	▪ Low Odor ▪ Steam Sterilizable
Uses	▪ Caps ▪ Closures	▪ Labware ▪ Medical Packaging	▪ Medical/Healthcare Applications ² ▪ Packaging
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Blow Molding ▪ Extrusion ▪ Extrusion Blow Molding	▪ Injection Blow Molding ▪ Profile Extrusion ▪ Sheet Extrusion	▪ Thermoforming
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)	2.1 g/10 min	2.1 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 2.0 in/min (51 mm/min)	4140 psi	28.5 MPa	ASTM D638
Elongation at Yield (2.0 in/min (51 mm/min))	13 %	13 %	ASTM D638
Flexural Modulus - 1% Secant 0.051 in/min (1.3 mm/min)	141000 psi	972 MPa	ASTM D790A
0.51 in/min (13 mm/min)	166000 psi	1140 MPa	ASTM D790B

Impact

	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact (73°F (23°C))	1.3 ft-lb/in	68 J/m	ASTM D256A

Thermal

	Typical Value (English)	Typical Value (SI)	Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	179 °F	81.6 °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.

ExxonMobil™ PP9122
Polypropylene Random Copolymer

For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

©2022 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 Product Solutions" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Product Solutions Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.

exxonmobilchemical.com