Product Datasheet

ExxonMobil™ PP1013H1

Polypropylene Homopolymer

Product Description

ExxonMobil™ PP1013H1 is a homopolymer resin that meets certified requirements for use in Medical and Pharmaceutical applications.

General

Availability [1]	▪ Asia Pacific	▪ Europe	▪ North America
Medical Regulatory	▪ DMF 15657 ▪ EP Monograph 3.1.3 ▪ EP Monograph 3.1.6	▪ EP Monograph 3.2.2 ▪ ISO 10993-10 ▪ ISO 10993-11	▪ ISO 10993-5 ▪ USP 661.1 ▪ USP Class VI
Features	▪ Autoclave Sterilizable ▪ Ethylene Oxide Sterilizable	▪ Low Extractables ▪ Steam Sterilizable	
Uses	▪ Labware	▪ Medical Packaging	▪ Medical/Healthcare Applications [2]
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Injection Molding		
Revision Date	▪ 09/29/2026		

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.5	g/10 min	7.5	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 Stress at Yield	4820	psi	33.2	MPa	ISO 527-2/50
Tensile Strain at Yield	9.3	%	9.3	%	ISO 527-2/50
Tensile Modulus	212000	psi	1460	MPa	ISO 527-1/1
Flexural Modulus	193000	psi	1330	MPa	ISO 178

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Notched Izod Impact Strength (73°F (23°C))	1.0	ft·lb/in²	2.1	kJ/m²	ISO 180/1A
Charpy Notched Impact Strength (73°F (23°C))	0.95	ft·lb/in²	2.0	kJ/m²	ISO 179/1eA

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Heat Deflection Temperature (1.80 MPa)	128	°F	53.6	°C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	177	°F	80.5	°C	ISO 75-2/B
Vicat Softening Temperature	309	°F	154	°C	ISO 306/A50

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

Product Datasheet

ExxonMobil™ PP1013H1
Polypropylene Homopolymer

For additional technical, sales and order assistance: Contact Us

©2026 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

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