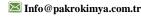
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Product Datasheet

ExxonMobil™ PP1014H1

Polypropylene Homopolymer



Product Description

ExxonMobil™ PP1014H1 is a homopolymer resin that meets certified requirements for use in Medical and Pharamceutical applications.

General						
Availability ¹	-	Еигоре		 North America 		
Compliance		DMF 15657 EP Monograph 3.1.3 EP Monograph 3.1.6		EP Monograph 3.2.2ISO 10993 Part 10ISO 10993 Part 11	ISO 1USP 6USP 6	
Features		Autoclave Sterilizable Ethylene Oxide Steril		Low ExtractablesSteam Sterilizable		
Uses	•	Labware		Medical Packaging		cal/Healthcare cations ²
Appearance		Natural Color				
Form(s)		Pellets				7
Processing Method		Injection Molding				7
Revision Date		09/01/2022				
Physical Melt Mass-Flow Rate (MFR) (230°C	:/2.16 kg)	Typical Value	(English) g/10 min	Typical Value 16	(SI) g/10 min	Test Based On ISO 1133
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		4770	psi	32.9	MPa	ISO 527-2/50
Tensile Strain at Yield		8.7	%	8.7	%	JSO 527-2/50
Tensile Modulus		216000	psi	1490	MPa	// ISO 527-1/1
Flexural Modulus		208000	psi	1440	MPa	ISO 178
Impact		Typical Value	_	Typical Value		Test Based On
Notched Izod Impact Strength (73°I	F (23°C))		ft·lb/in²		kJ/m²	ISO 180/1A
Charpy Notched Impact Strength (73°F (23°C))		1.3	ft·lb/in²	2.8	kJ/m²	ISO 179/1eA
ThI		Turing IV	/=l:-L\	Toring IV.	(CI)	T-+ D 1 C
Thermal		Typical Value	_	Typical Value		Test Based On
Melting Temperature		318		159		ISO 11357-3
Peak Crystallization Temperature	MDa)	239		115 51.4		ISO 11357-3 ISO 75-2/A
Heat Deflection Temperature (1.80 MPa) Heat Deflection Temperature (0.45 MPa)		125		82.0		ISO 75-2/A
· · · · · · · · · · · · · · · · · · ·	iviPa)	307		82.0 153		ISO 306/A50
Vicat Softening Temperature		307		153	C	15U 3U0/A3U
Hardness		Typical Value	(English)	Typical Value	(SI)	Test Based On
Shore Hardness (Shore D)		69	(=5)	69	(=-)	ISO 868

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

Typical properties: these are not to be construed as specifications.

Effective Date: 09/01/2022 ExxonMobil Page: 1 of 2

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™ PP1014H1
Polypropylene Homopolyme



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

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