

ExxonMobil™ PP1014H1

Polypropylene Homopolymer

ExxonMobil Chemical

Message:

A homopolymer resin that meets the certification requirements for use in the pharmaceutical field.

General Information			
Features	Low extract		
	Pressure cooker disinfection		
	Ethylene oxide disinfection		
	Disinfect with steam		
Uses	Laboratory apparatus		
	Medical/nursing supplies		
	Medical packaging		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	17	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	70		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1620	MPa	ISO 527-2/1/1
Tensile Stress (Yield)	33.4	MPa	ISO 527-2/50
Tensile Strain (Yield)	8.5	%	ISO 527-2/50
Flexural Modulus	1350	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.8	kJ/m²	ISO 179/1eA
Notched Izod Impact (23°C)	2.6	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	85.7	°C	ISO 75-2/B
1.8 MPa, not annealed	52.6	°C	ISO 75-2/A
Vicat Softening Temperature	152	°C	ISO 306/A50
Melting Temperature	159	°C	ISO 11357-3
Peak Crystallization Temperature	115	°C	ISO 11357-3
Legal statement			

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