

TOTAL Polypropylene Aceso® PPM H350

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

Polypropylene PPM H350 is homopolymer with a Melt Flow Index of 35 g/10 min recommended for the manufacture of medical packaging and medical devices, to the exclusion of implants.

Polypropylene PPM H350 is characterized by high fluidity and is particularly suitable for injection moulding applications. The material provides a good balance between stiffness and impact.

General Information			
Features	Good Impact Resistance		
	Good Stiffness		
	High Flow		
Uses	Medical Packaging		
	Medical/Healthcare Applications		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Apparent Density	0.53	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	96		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1600	MPa	ISO 527-2
Tensile Stress (Yield)	32.0	MPa	ISO 527-2
Tensile Strain (Yield)	9.0	%	ISO 527-2
Flexural Modulus	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179
Notched Izod Impact Strength (23°C)	2.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	100	°C	ISO 75-2/B
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Vicat Softening Temperature			

--	153	°C	ISO 306/A50
--	89.0	°C	ISO 306/B50
Melting Temperature (DSC)	165	°C	ISO 3146

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Recommended distributors for this material

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