

TOTAL Polypropylene Aceso® PPM H250 S01

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

Polypropylene Aceso® PPM H250 S01 is narrow molecular weight distribution homopolymer with a Melt Flow Index of 25g/10 min recommended for the manufacture of medical packaging and medical devices, to the exclusion of implants.

Polypropylene Aceso® PPM H250 S01 is the version of the Polypropylene Aceso PPM H250 based on a phthalate-free catalyst.

General Information			
Features	Homopolymer		
	Narrow molecular weight distribution		
Uses	Medical devices		
	Medical packaging		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Apparent Density	0.53	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1350	MPa	ISO 527-2
Tensile Stress (Yield)	32.0	MPa	ISO 527-2
Tensile Strain (Yield)	< 10	%	ISO 527-2
Flexural Modulus	1250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179
Notched Izod Impact (23°C)	3.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	95.0	°C	ISO 75-2/B
1.8 MPa, not annealed	52.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	148	°C	ISO 306/A50
--	80.0	°C	ISO 306/B50
Melting Temperature (DSC)	165	°C	ISO 3146

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

