

TOTAL Polypropylene PPH 5060

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

Polypropylene PPH 5060 is homopolymer with a Melt Flow Index of 6 g/10 min.
Polypropylene PPH 5060 is specially suitable for tape extrusion for woven applications and for extrusion thermoforming.
Polypropylene PPH 5060 is also a general purpose injection grade for moulding technical items

General Information			
Features	General Purpose		
Uses	General Purpose		
	Tape		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
	Thermoforming		

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)	6.0	g/10 min	ISO 1133

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	92		ISO 2039-2

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1500	MPa	ISO 527-2
Tensile Stress (Yield)	32.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Flexural Modulus	1400	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 Strength (23°C)	4.0	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			
--	150	°C	ISO 306/A50

--	85.0	°C	ISO 306/B50
Melting Temperature (DSC)	164	°C	ISO 3146

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