

TOTAL Polypropylene PPH 7060

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

Polypropylene PPH 7060 is a homopolymer with a medium molecular weight distribution and a Melt Flow Index of 12 g/10 min for the cast extrusion of films with excellent optical properties and high stiffness.

Polypropylene PPH 7060 is intended for the injection moulding of packaging containers, toys, domestic appliances, garden furniture and caps & closures.

Polypropylene PPH 7060 is intended for applications like sensitive food packaging, labeling.

General Information			
Features	High Stiffness		
	Med.-Wide Molecular Weight Distrib.		
	Opticals		
Uses	Appliances		
	Caps		
	Closures		
	Containers		
	Food Packaging		
	Furniture		
	Labels		
	Packaging		
	Toys		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Cast Film		
	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)	12	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1550	MPa	ISO 527-2
Tensile Stress (Yield)	32.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2

Flexural Modulus	1450	MPa	ISO 178
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	μm	
Tensile Stress			ISO 527-3
MD : Yield, 50 μm, Cast Film	23.0	MPa	
TD : Yield, 50 μm, Cast Film	23.0	MPa	
MD : Break, 50 μm, Cast Film	44.0	MPa	
TD : Break, 50 μm, Cast Film	34.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 50 μm, Cast Film	500	%	
TD : Break, 50 μm, Cast Film	600	%	
Dart Drop Impact (50 μm, Cast Film)	270	g	ISO 7765-1
Elmendorf Tear Strength ¹			ISO 6383-2
MD : 50.0 μm	10.0	kN/m	
TD : 50.0 μm	28.0	kN/m	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.5	kJ/m ²	ISO 179
Notched Izod Impact Strength (23°C)	3.5	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			
--	152	°C	ISO 306/A50
--	87.0	°C	ISO 306/B50
Melting Temperature (DSC)	165	°C	ISO 3146
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 μm, Cast Film)	85		ASTM D2457
Haze (50.0 μm, Cast Film)	4.0	%	ISO 14782
NOTE			
1.	Cast Film		

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