

TOTAL Polypropylene PPH 6088

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

Polypropylene PPH 6088 is a homopolymer with a Melt Flow Index of 9 g/10 min for the cast extrusion of films with excellent optical properties and good sterilizability.

Polypropylene PPH 6088 is formulated with slip and anti-block agents. It is recommended for food packaging, textile packaging, flowers packaging, lamination films and stationary supplies.

General Information			
Additive	Antiblock (1800 ppm)		
	Erucamide Slip (1800 ppm)		
Features	Antiblocking		
	Good Sterilizability		
	Homopolymer		
	Opticals		
	Slip		
Uses	Cast Film		
	Film		
	Food Packaging		
	Laminates		
	Packaging		
	Stationary Supplies		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Cast Film		
	Film Extrusion		
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)	9.0	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	1400	MPa	ISO 527-2
Tensile Stress (Yield)	30.0	MPa	ISO 527-2

Tensile Strain (Yield)	10	%	ISO 527-2
Flexural Modulus	1300	MPa	ISO 178
Films	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-3
MD : Yield, 50 µm, Cast Film	22.0	MPa	
TD : Yield, 50 µm, Cast Film	22.0	MPa	
MD : Break, 50 µm, Cast Film	60.0	MPa	
TD : Break, 50 µm, Cast Film	55.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 50 µm, Cast Film	700	%	
TD : Break, 50 µm, Cast Film	700	%	
Dart Drop Impact (50 µm, Cast Film)	280	g	ISO 7765-1
Elmendorf Tear Strength ¹			ISO 6383-2
MD : 50.0 µm	14.0	kN/m	
TD : 50.0 µm	27.0	kN/m	
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			
--	152	°C	ISO 306/A50
--	87.0	°C	ISO 306/B50
Melting Temperature (DSC)	160	°C	ISO 3146
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 µm, Cast Film)	89		ASTM D2457
Haze (50.0 µm, Cast Film)	1.4	%	ISO 14782
NOTE			
1.	Cast Film		

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