

TOTAL Polypropylene PPH 6080

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

Polypropylene PPH 6080 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 6080 can be used as single layer films as well as in the core layer of coextruded films, for food packaging, hosiery packaging, shirt packaging, laminations films, ... as well as for stationary supplies.

General Information			
Features	Good Sterilizability		
	Opticals		
Uses	Film		
	Food Packaging		
	Laminates		
	Multilayer Film		
	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/cm³	ISO 1183
Apparent Density	0.53	g/cm³	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	1450	MPa	ISO 527-2
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Flexural Modulus	1350	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m²	ISO 179
Notched Izod Impact Strength (23°C)	4.0	kJ/m²	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

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