

TOTAL Polypropylene PPH 3051

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

Polypropylene PPH 3051 is homopolymer polypropylene with a Melt Flow Index of 1.9 g/10 min.
Polypropylene PPH 3051 is intended for the extrusion of flat bioriented films for food packaging or high strength adhesive tapes.

General Information			
Uses	Bi-axially Oriented Film		
	Film		
	Food Packaging		
	Packaging		
	Tape		
Agency Ratings	EU 2002/72/EC		
	EU 2004/1/EC		
	EU 2004/19/EC		
	EU 2005/79/EC		
	EU 2007/19/EC		
	EU 2008/39/EC		
	EU 975/2009/EC		
	FDA 21 CFR 177.1520		
Processing Method	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)	1.9	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	1400	MPa	ISO 527-2
Tensile Stress (Yield)	33.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Flexural Modulus	1300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m²	ISO 179
Notched Izod Impact Strength (23°C)	6.0	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			
--	150	°C	ISO 306/A50
--	85.0	°C	ISO 306/B50
Melting Temperature (DSC)	165	°C	ISO 3146

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