

TOTAL Polypropylene PPR 3260

Polypropylene Random Copolymer

TOTAL Refining & Chemicals

Message:

Total Petrochemicals PPR 3260 is a random copolymer polypropylene with a Melt Flow Index of 1,8 g/10 min suitable for extrusion applications and for the manufacturing of films with easy heat weldability in the blown process.
Polypropylene PPR 3221 is intended for the production of flexible packaging. It can also be used as in internal non-adhesive layer in coextruded PE based hood structures.

General Information			
Features	Good Heat Seal		
	Heat Sealable		
	Random Copolymer		
Uses	Film		
	Packaging		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Blown Film		
	Extrusion		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.902	g/cm ³	ISO 1183
Apparent Density	0.53	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.8	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	84		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1100	MPa	ISO 527-2
Tensile Stress (Yield)	26.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Flexural Modulus	1000	MPa	ISO 178
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	40	µm	
Tensile Stress - MD			ISO 527-3
Yield, 40 µm, Blown Film	33.0	MPa	
Break, 10 µm, Blown Film	76.0	MPa	

Tensile Elongation - MD (Break, 50 µm, Blown Film)	650	%	ISO 527-3
Dart Drop Impact (40 µm, Blown Film)	36	g	ISO 7765-1
Elmendorf Tear Strength ¹			ISO 6383-2
MD : 40.0 µm	3.0	kN/m	
TD : 40.0 µm	13.0	kN/m	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.5	kJ/m ²	ISO 179
Notched Izod Impact Strength (23°C)	7.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	130	°C	ISO 306/A50
--	67.0	°C	ISO 306/B50
Melting Temperature (DSC)	148	°C	ISO 3146
Optical	Nominal Value	Unit	Test Method
Gloss (40.0 µm, Blown Film)	33		ASTM D2457
Haze (40.0 µm, Blown Film)	19	%	ISO 14782
NOTE			
1.	Blown Film		

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