TotalEnergies

Refining & Chemicals
Polymers

Polypropylene PPR 3260

Technical data sheet
Polypropylene – Random Copolymer
Produced in Europe

Description

Polypropylene PPR 3260 is a random copolymer polypropylene with a Melt Flow Index of 1.8 g/min suitable for the manufacturing of films having easy heat weldability in the blown process.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	1.8
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	26
Elongation at Yield	ISO 527-2	%	10
Tensile Modulus	ISO 527-2	MPa	1100
Flexural Modulus	ISO 178	MPa	1000
Izod Impact Strength (notched) at 23°C	ISO 180	kJ/m^2	7.5
Charpy Impact Strength (notched) at 23°C	ISO 179	kJ/m^2	8.5
Hardness Rockwell – R-scale	ISO 2039-2		84
Thermal properties			
Melting Point	ISO 3146	°C	148
Vicat Softening Point	ISO 306	°C	
50N-50°C per hour			67
10N-50°C per hour			130
Other physical properties			
Density	ISO 1183	g/cm^3	0.902
Bulk Density	ISO 1183	g/cm^3	0.525

Handling and storage

Please refer to the safety data sheet (SDS) for handling and storage information. It is advisable to convert the product within one year after delivery provided storage conditions are used as given in the SDS of our product. SDS may be obtained from the website: www.polymers.totalenergies.com.

Polypropylene

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Additional Properties : typical film properties

	Method	Unit	Typical Value
Optical properties			
Gloss	ASTM D 2457		33
Haze	ISO 14782	%	19
Mechanical properties			
Tensile Strength at Yield MD *	ISO 527-3	MPa	33
Tensile Strength at Break MD *	ISO 527-3	MPa	76
Tensile Elongation at Break MD *	ISO 527-3	%	650
Dart Impact	ISO 7765-1	g	36
Elmendorf MD / TD *	ISO 6383-2	N/mm	3 / 13

* MD : Machine Direction TD : Transverse Direction

Properties measured on a 40µm thick film produced on a blown film line following TotalEnergies internal conditions. When considering these film properties, it should be taken into consideration that film properties are strongly dependent from processing conditions.