+135-3858-6433 (GuangDong)
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Polypropylene PPR 6288

Refining & Chemicals
Polymers

Technical data sheet
Polypropylene – Random Copolymer
Produced in Europe

Description

Polypropylene PPR 6288 is a random copolymer polypropylene with a Melt Flow Index of 8 g/min for the cast extrusion of films with very good optical properties and easy heat weldability.

Polypropylene PPR 6288 is formulated with slip and anti-block agents. It is intended for food, magazine or textile packaging, for lamination films… as well as for stationary supplies.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	8
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	27
Elongation at Yield	ISO 527-2	%	10
Tensile modulus	ISO 527-2	MPa	1050
Flexural modulus	ISO 178	MPa	950
Izod Impact Strength (notched) at 23°C	ISO 180	kJ/m²	6
Charpy Impact Strength (notched) at 23°C	ISO 179	kJ/m²	8
Hardness Rockwell - R-scale	ISO 2039-2		86
Thermal properties			
Melting Point	ISO 3146	°C	145
Vicat Softening Point			
10N-50°C per hour	ISO 306	°C	136
Other physical properties			
Density	ISO 1183	g/cm³	0.902
Bulk Density	ISO 1183	g/cm³	0.525
Additives			
Antiblock (SiO2) typical content	TOTAL method	ppm	1890
Slip (Erucamide) typical content	TOTAL method	ppm	1890

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Additional Properties: typical film properties

	Method	Unit	Typical Value
Optical properties			
Gloss 45°	ASTM D 2457		89
Haze	ISO 14782	%	1.2
Mechanical properties			
Tensile Strength at Yield MD / TD *	ISO 527-3	MPa	18 / 18
Tensile Strength at Break MD / TD *	ISO 527-3	MPa	36 / 26
Tensile Elongation at Break MD / TD *	ISO 527-3	%	500 / 470
Dart Impact	ISO 7765-1	g	320
Elmendorf MD / TD *	ISO 6383-2	N/mm	15 / 30

* MD : Machine Direction TD : Transverse Direction

Properties measured on a 50µm thick film produced on a cast film line following TOTAL internal conditions.
When considering these film properties, it should be taken into consideration that film properties are strongly dependent from processing conditions.