



**TotalEnergies**

Refining & Chemicals  
Polymers

+135-3858-6433 (GuangDong)  
+188-1699-6168 (ShangHai)  
+852-6957-5415 (HongKong)

## Polypropylene PPR 6288

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/10 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
<b>Rheological properties</b>			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	8
<b>Mechanical properties</b>			
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/m <sup>2</sup>	6
Charpy Impact Strength (notched) at 23°C	ISO 179	kJ/m <sup>2</sup>	8
Hardness Rockwell - R-scale	ISO 2039-2		86
<b>Thermal properties</b>			
Melting Point	ISO 3146	°C	145
Vicat Softening Point 10N-50°C per hour	ISO 306	°C	136
<b>Other physical properties</b>			
Density	ISO 1183	g/cm <sup>3</sup>	0.902
Bulk Density	ISO 1183	g/cm <sup>3</sup>	0.525

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**Additional Properties: typical film properties**

	Method	Unit	Typical Value
<b>Optical properties</b>			
Gloss 45°	ASTM D 2457		89
Haze	ISO 14782	%	1.2
<b>Mechanical properties</b>			
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 TotalEnergies internal conditions.

When considering these film properties, it should be taken into consideration that film properties are strongly dependent from processing conditions.

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