



**TotalEnergies**

Refining & Chemicals  
Polymers

**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

**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](http://www.polymers.totalenergies.com).

Information contained in this publication is true and accurate at the time of publication and to the best of our knowledge. The nominal values stated herein are obtained using laboratory test specimens. These are typical values not to be construed as specification limits. Before using one of the products mentioned herein, customers and other users should take all care in determining the suitability of such product for the intended use. Unless specifically indicated, the products mentioned herein are not suitable for applications in the pharmaceutical or medical sector. The Companies within TotalEnergies Petrochemicals do not accept any liability whatsoever arising from the use of this information or the use, application or processing of any product described herein. No information contained in this publication can be considered as a suggestion to infringe patents. The Companies disclaim any liability that may be claimed for infringement or alleged infringement of patents.

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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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