



**TotalEnergies**

Refining & Chemicals  
Polymers

**Description**

Polypropylene PPR 12232 is a high melt flow index, high transparency random copolymer. It has an excellent food compatibility thanks to its low odour, making it especially suitable for the production of food packaging and houseware products. Its high fluidity accounts for significant cycle time reduction.

We hereby confirm that we do not use peroxide in the manufacturing of the above-mentioned Product.

**Characteristics**

	Method	Unit	Typical Value
<b>Rheological properties</b>			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	80
<b>Mechanical properties</b>			
Tensile Strength at Yield	ISO 527-2	MPa	28
Elongation at Yield	ISO 527-2	%	10
Tensile modulus	ISO 527-2	MPa	1200
Flexural modulus	ISO 178	MPa	1150
Izod Impact Strength (notched) at 23 °C	ISO 180	kJ/m <sup>2</sup>	5
Charpy Impact Strength (notched) at 23 °C	ISO 179	kJ/m <sup>2</sup>	6
Hardness Rockwell – R-scale	ISO 2039-2		82
<b>Thermal properties</b>			
Vicat Softening Point	ISO 306	°C	
50N-50°C per hour			67
10N-50°C per hour			130
<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).

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