

## Total PPR 6288 Random Copolymer Polypropylene, Cast Extrusion of Film

Category : Polymer , Film , Thermoplastic , Polypropylene (PP) , Polypropylene, Film Grade

**Material Notes:**

Total Petrochemicals PPR 6288 is a random copolymer polypropylene with a melt flow index of 8 g/10 min for the cast extrusion of films with outstanding optical properties and easy heat weldability. Polypropylene PPR 6288 is formulated with slip and antiblock agents. It is intended for food, textile or magazine packaging, for lamination films... as well as for stationary supplies. Information provided by Total Petrochemicals.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Total-PPR-6288-Random-Copolymer-Polypropylene-Cast-Extrusion-of-Film.php](http://www.lookpolymers.com/polymer_Total-PPR-6288-Random-Copolymer-Polypropylene-Cast-Extrusion-of-Film.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.902 g/cc	0.902 g/cc	ISO 1183
Bulk Density	0.525 g/cc	0.0190 lb/in <sup>3</sup>	ISO 1183
Thickness	50.0 microns	1.97 mil	
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 230 °C	8.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133
Antiblock Level	1800 ppm	1800 ppm	SiO <sub>2</sub>
Slip Level	1800 ppm	1800 ppm	Erucamide

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	86	86	ISO 2039-2
Film Tensile Strength at Yield, MD	18.0 MPa	2610 psi	ISO 527-3
Film Tensile Strength at Yield, TD	18.0 MPa	2610 psi	ISO 527-3
Tensile Strength, Yield	27.0 MPa	3920 psi	ISO 572-2
Film Elongation at Break, MD	500 %	500 %	ISO 527-3
Film Elongation at Break, TD	470 %	470 %	ISO 527-3
Elongation at Yield	10 %	10 %	ISO 572-2
Tensile Modulus	1.05 GPa	152 ksi	ISO 572-2
Flexural Modulus	0.950 GPa	138 ksi	ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m <sup>2</sup>	2.86 ft-lb/in <sup>2</sup>	ISO 180
Charpy Impact, Notched	0.800 J/cm <sup>2</sup>	3.81 ft-lb/in <sup>2</sup>	ISO 179

Mechanical Properties	Metric	English	Comments
Elmendorf Tear Strength, TD	3.10 g/micron	78.7 g/mil	ISO 6383-2
Dart Drop Test	320 g	0.706 lb	ISO 7765-1
Film Tensile Strength at Break, MD	36.0 MPa	5220 psi	ISO 527-3
Film Tensile Strength at Break, TD	26.0 MPa	3770 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	145 °C	293 °F	ISO 3146
Vicat Softening Point	67.0 °C @Load 5.10 kg	153 °F @Load 11.2 lb	50°C per hour; ISO 306
	130 °C @Load 1.02 kg	266 °F @Load 2.25 lb	50°C per hour; ISO 306

Optical Properties	Metric	English	Comments
Haze	1.2 %	1.2 %	ISO 14782
Gloss	89 %	89 %	at 45°; ASTM D2457

## Contact Songhan Plastic Technology Co.,Ltd.

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