

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/m ² | 6 |
| Charpy Impact Strength (notched) at 23°C | ISO 179 | kJ/m ² | 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/cm ³ | 0.902 |
| Bulk Density | ISO 1183 | g/cm ³ | 0.525 |
| Additives | | | |
| Antiblock (SiO ₂) typical content | TOTAL method | ppm | 1890 |
| Slip (Erucamide) typical content | TOTAL method | ppm | 1890 |



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.

