



TotalEnergies

Refining & Chemicals
Polymers

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Polypropylene Aceso® PPM H250

Technical data sheet
Polypropylene – Homopolymer
Produced in Europe

Description

Polypropylene Aceso® PPM H250 is narrow molecular weight distribution homopolymer with a Melt Flow Index of 25g/10 min recommended for the manufacture of medical packaging and medical devices, to the exclusion of implants.

Characteristics

| | Method | Unit | Typical Value |
|--|------------|-------------------|---------------|
| Rheological properties | | | |
| Melt Flow Index 230°C/2.16 kg | ISO 1133 | g/10 min | 25 |
| Mechanical properties | | | |
| Tensile Strength at Yield | ISO 527-2 | MPa | 32 |
| Elongation at Yield | ISO 527-2 | % | <10 |
| Tensile modulus | ISO 527-2 | MPa | 1350 |
| Flexural modulus | ISO 178 | MPa | 1250 |
| Izod Impact Strength (notched) at 23°C | ISO 180 | kJ/m ² | 3.5 |
| Charpy Impact Strength (notched) at 23°C | ISO 179 | kJ/m ² | 5 |
| Hardness Rockwell - R-scale | ISO 2039-2 | | 90 |
| Thermal properties | | | |
| Melting Point | ISO 3146 | °C | 165 |
| Vicat Softening Point | ISO 306 | °C | |
| 50N-50°C per hour | | | 80 |
| 10N-50°C per hour | | | 148 |
| Heat Deflection Temperature | ISO 752 | °C | |
| 1.80 MPa - 120°C per hour | | | 52 |
| 0.45 MPa - 120°C per hour | | | 95 |
| Other physical properties | | | |
| Density | ISO 1183 | g/cm ³ | 0.905 |
| Bulk Density | ISO 1183 | g/cm ³ | 0.525 |

Polypropylene