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Refining & Chemicals
Polymers

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Polypropylene PPC 10641

Technical data sheet
Polypropylene – Heterophasic Copolymer
Produced in Europe

Description

Polypropylene PPC 10641 is a nucleated antistatic heterophasic copolymer with high Melt Flow Index of 44 g/10 min.

Polypropylene PPC 10641 is characterized by high fluidity with good mechanical properties.

Polypropylene PPC 10641 has been specially developed for high speed injection moulding of food packaging.

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

Characteristics

| | Method | Unit | Typical Value |
|----------------------------------|------------|-------------------|---------------|
| Rheological properties | | | |
| Melt Flow Index 230°C/2.16 kg | ISO 1133 | g/10 min | 44 |
| Mechanical properties | | | |
| Tensile Strength at Yield | ISO 527-2 | MPa | 27 |
| Elongation at Yield | ISO 527-2 | % | 4 |
| Tensile modulus | ISO 527-2 | MPa | 1600 |
| Flexural modulus | ISO 178 | MPa | 1500 |
| Izod Impact Strength (notched) | ISO 180 | kJ/m ² | |
| at 23°C | | | 7.5 |
| at -20°C | | | 4 |
| Charpy Impact Strength (notched) | ISO 179 | kJ/m ² | |
| at 23°C | | | 7 |
| at -20°C | | | 4.5 |
| Hardness Rockwell - R-scale | ISO 2039-2 | | 100 |
| 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 | | | 57 |
| 0.45 MPa - 120°C per hour | | | 114 |
| Other physical properties | | | |
| Density | ISO 1183 | g/cm ³ | 0.905 |
| Bulk Density | ISO 1183 | g/cm ³ | 0.525 |

Polypropylene