

Description

Polypropylene PPC 4660 is heterophasic copolymer with a Melt Flow Index of 3.5 g/10min. Polypropylene PPC 4660 is characterized by a combination of ease of processing and good manufactured article properties in applications ranging from household to industrial. These include the manufacture of chair shells, pails, crates and other articles requiring a combination of good stiffness and impact properties.

Characteristics

| | Method | Unit | Typical Value |
|----------------------------------|------------|-------------------|---------------|
| Rheological properties | | | |
| Melt Flow Index 230°C/2.16 kg | ISO 1133 | g/10 min | 3.5 |
| Mechanical properties | | | |
| Tensile Strength at Yield | ISO 527-2 | MPa | 25 |
| Elongation at Yield | ISO 527-2 | % | 7 |
| Tensile modulus | ISO 527-2 | MPa | 1300 |
| Flexural modulus | ISO 178 | MPa | 1200 |
| Izod Impact Strength (notched) | ISO 180 | kJ/m ² | |
| at 23°C | | | 18 |
| at -20°C | | | 5.5 |
| Charpy Impact Strength (notched) | ISO 179 | kJ/m ² | |
| at 23°C | | | 20 |
| at -20°C | | | 7 |
| Hardness Rockwell - R-scale | ISO 2039-2 | | 82 |
| Thermal properties | | | |
| Melting Point | ISO 3146 | °C | 165 |
| Vicat Softening Point | ISO 306 | °C | |
| 50N-50°C per hour | | | 70 |
| 10N-50°C per hour | | | 147 |
| Heat Deflection Temperature | ISO 752 | °C | |
| 1.80 MPa - 120°C per hour | | | 50 |
| 0.45 MPa - 120°C per hour | | | 92 |
| Other physical properties | | | |
| Density | ISO 1183 | g/cm ³ | 0.905 |
| Bulk Density | ISO 1183 | g/cm ³ | 0.525 |

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