



200-CA10

Product Technical Information

Polypropylene **200-CA10** is a nucleated random copolymer polypropylene with a Melt Flow Index of 10 g/min for the injection moulding of articles with high transparency and excellent surface appearance.

Polypropylene **200-CA10** is intended for general purpose, household goods, cosmetic caps and closures.

Characteristics

| Properties | Test Methods | Values | Units |
|---|--------------|--------|-------------------|
| Rheological | | | |
| Melt Flow Rate 230°C/2.16Kg | ISO 1133 | 10 | g/10 min |
| Mechanical | | | |
| Tensile Strength at Yield | ISO 527-2 | 29 | MPa |
| Elongation at Yield | ISO 527-2 | 10 | % |
| Tensile modulus | ISO 527-2 | 1300 | MPa |
| Flexural modulus | ISO 178 | 1200 | MPa |
| Izod Impact Strength (notched) at 23°C | ISO 180 | 5 | kJ/m ² |
| Charpy Impact Strength (notched) at 23°C | ISO 179 | 7 | kJ/m ² |
| Hardness Rockwell - R-scale | ISO 2039-2 | 86 | |
| Thermal | | | |
| Melting Point | ISO 3146 | 146 | °C |
| Vicat Softening Point | ISO 306 | | |
| 50N-50°C per hour | | 67 | °C |
| 10N-50°C per hour | | 130 | °C |
| Other physical properties | | | |
| Density | ISO 1183 | 0.902 | g/cm ³ |
| Bulk Density | ISO 60 | 0.525 | g/cm ³ |
| Data should not be used for specification work | | | |

Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration. It is advised to process the product within maximum one year after delivery.