

Description

Lumicene® MR30MX0 is a metallocene random copolymer with a Melt Flow Index of 30^(*) g/10 min for injection and injection stretch blow moulding. Lumicene® MR30MX0 differs from the other random copolymers by its moulding reproducibility, outstanding organoleptic properties combined with low extractables, outstanding transparency and gloss.

Producers of rigid food packaging including baby bottles, caps and closures, medical device and packaging, houseware and kitchenware will take full advantage of the new Lumicene® random metallocene product range.

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 | 30 ^(*) |
| Mechanical properties | | | |
| Tensile Strength at Yield | ISO 527-2 | MPa | 31 |
| Elongation at Yield | ISO 527-2 | % | 10 |
| Tensile modulus | ISO 527-2 | MPa | 1300 |
| Flexural modulus | ISO 178 | MPa | 1250 |
| Izod Impact Strength (notched) at 23°C | ISO 180 | kJ/m ² | 5 |
| Thermal properties | | | |
| Melting Point | ISO 3146 | °C | 140 |
| Other physical properties | | | |
| Density | ISO 1183 | g/cm ³ | 0.902 |
| Bulk Density | ISO 1183 | g/cm ³ | 0.525 |

(*) MFI 30 in metallocene catalyst system processes like MFI 20-25 in standard Ziegler Natta catalyst system.