



TotalEnergies

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Polymers

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Polypropylene Lumicene® MR10MX0

Technical data sheet
Polypropylene – Metallocene Random Copolymer
Produced in Europe

Description

Lumicene® MR10MX0 is a metallocene random copolymer with a Melt Flow Index of 10 g/10 min for injection moulding, injection blow moulding, injection stretch blow moulding and extrusion blow moulding. Lumicene® MR10MX0 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	10
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	31
Elongation at Yield	ISO 527-2	%	10
Tensile modulus	ISO 527-2	MPa	1250
Flexural modulus	ISO 178	MPa	1200
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

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