



**TotalEnergies**

Refining & Chemicals  
Polymers

## 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
<b>Rheological properties</b>			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	10
<b>Mechanical properties</b>			
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 <sup>2</sup>	5
<b>Thermal properties</b>			
Melting Point	ISO 3146	°C	140
<b>Other physical properties</b>			
Density	ISO 1183	g/cm <sup>3</sup>	0.902
Bulk Density	ISO 1183	g/cm <sup>3</sup>	0.525

## Handling and storage

Please refer to the safety data sheet (SDS) for handling and storage information. It is advisable to convert the product within one year after delivery provided storage conditions are used as given in the SDS of our product. SDS may be obtained from the website: [www.polymers.totalenergies.com](http://www.polymers.totalenergies.com).

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