TOTAL PETROCHEMICALS

Polypropylene Lumicene® MR110MC2

Technical data sheet
Polypropylene – Metallocene Random Copolymer
Produced in Europe

Description

Lumicene® MR110MC2 is a metallocene random copolymer with a Melt Flow Index of 110(*) g/10 min for injection moulding. This Lumicene® MR110MC2 high fluidity differs from standard random copolymers by its moulding reproducibility, outstanding organoleptic properties combined with low extractables, excellent transparency and gloss, high rigidity combined with superior impact resistance.

Producers of rigid food packaging, caps and closures, medical device and packaging, houseware and kitchenware, and more generally of thin wall packaging, 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	110 (*)
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/m²	5
Thermal properties			
Melting Point	ISO 3146	°C	140
Other physical properties			
Density	ISO 1183	g/cm³	0.902
Bulk Density	ISO 1183	g/cm³	0.525

(*) MFI 110 in metallocene catalyst system processes like MFI 70-80 in standard Ziegler Natta catalyst system.

Polypropylene

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