

TOTAL Polypropylene Lumicene® MR 60MC2

Polypropylene Random Copolymer

TOTAL Refining & Chemicals

Message:

Lumicene MR60MC2 is a metallocene random copolymer with a Melt Flow Index of 60 g/10 min for injection moulding. Lumicene MR60MC2 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 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.

General Information			
Features	Good Organoleptic Properties		
	High Gloss		
	High Rigidity		
	Low Extractables		
	Ultra High Impact Resistance		
Uses	Caps		
	Closures		
	Food Packaging		
	Kitchenware		
	Medical Packaging		
	Medical/Healthcare Applications		
Agency Ratings	EU 2002/72/EC		
	FDA 21 CFR 177.1520		
Appearance	Clear/Transparent		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density			ISO 1183
-- ¹	0.525	g/cm ³	
--	0.902	g/cm ³	
Melt Mass-Flow Rate (MFR) ² (230°C/2.16 kg)	60	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1300	MPa	ISO 527-2
Tensile Stress (Yield)	31.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Flexural Modulus	1250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact Strength (23°C)	5.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	140	°C	ISO 3146

NOTE

1.	Bulk
2.	MFI 60 in metallocene catalyst system processes like MFI 40-45 in standard Ziegler Natta catalyst system.

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