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Polymers

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Polypropylene Aceso® Lumicene® MR10MM0 S01

Technical data sheet
Polypropylene – Metallocene Random Copolymer
Produced in Europe

Description

Aceso® Lumicene® MR10MM0 S01 is a metallocene random copolymer polypropylene with a Melt Flow Index of 10(*) g/10 min specially developed for the extrusion of film and injection stretch blow moulding for the medical application, to the exclusion of implants.

Aceso® Lumicene MR10MM0 S01 differs from the other random copolymers by outstanding organoleptic properties combined with ultra low extractables.

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	26
Elongation at Yield	ISO 527-2	%	10
Tensile modulus	ISO 527-2	MPa	950
Flexural modulus	ISO 178	MPa	900
Izod Impact Strength (notched) at 23°C	ISO 180	kJ/m ²	4.5
Thermal properties			
Melting Point	ISO 3146	°C	137
Other physical properties			
Density	ISO 1183	g/cm ³	0.902
Bulk Density	ISO 1183	g/cm ³	0.525

(*) MFI 10 in metallocene catalyst system processes like MFI 8 in standard Ziegler Natta catalyst system.

Polypropylene