201-MG02

Product Technical Information

Polypropylene **201-MG02** is random copolymer polypropylene with a Melt Flow Index of 1.8 g/10 min specially developped for the extrusion blow-moulding of medical containers and medical devices, to the exclusion of implants.

Characteristics

Properties	Test Methods	Values	Units
Rheological			
Melt Flow Rate 230°C/2.16Kg	ISO 1133	1.8	g/10 min
Mechanical			
Tensile Strength at Yield	ISO 527-2	26	MPa
Elongation at Yield	ISO 527-2	10	%
Tensile modulus	ISO 527-2	1000	MPa
Flexural modulus	ISO 178	900	MPa
Izod Impact Strength (notched) at 23°C	ISO 180	6	kJ/m²
Charpy Impact Strength (notched) at 23°C	ISO 179	8	kJ/m²
Hardness Rockwell - R-scale	ISO 2039-2	82	
Thermal			
Melting Point	ISO 3146	149	°C
Vicat Softening Point	ISO 306		°C
50N-50°C per hour		67	
10N-50°C per hour		130	
Other physical properties			
Density	ISO 1183	0.902	g/cm³
Bulk Density	ISO 60	0.525	g/cm³

Data should not be used for specification work

Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration. It is advised to process the product within maximum one year after delivery.