

101-CC60

Product Technical Information

Polypropylene **101-CC60** is a clarified high fluidity homopolymer with a Melt Flow Index of 60 g/min.

Polypropylene **101-CC60** has been designed with a very high stiffness and an outstanding transparency. It is suitable for the injection moulding of transparent packaging.

Characteristics

Properties	Test Methods	Values	Units
Rheological			
Melt Flow Rate 230°C/2.16Kg	ISO 1133	60	g/10 min
Mechanical			
Tensile Strength at Yield	ISO 527-2	37	MPa
Elongation at Yield	ISO 527-2	8	%
Tensile modulus	ISO 527-2	1850	MPa
Flexural modulus	ISO 178	1800	MPa
Izod Impact Strength (notched) at 23°C	ISO 180	3.5	kJ/m ²
Charpy Impact Strength (notched) at 23°C	ISO 179	4	kJ/m ²
Hardness Rockwell - R-scale	ISO 2039-2	98	
Thermal			
Melting Point	ISO 3146	165	°C
Vicat Softening Point	ISO 306		°C
50N-50°C per hour		90	
10N-50°C per hour		153	
Heat Deflection Temperature	ISO 75-2		°C
1.80 MPa - 120°C per hour		55	
0.45 MPa - 120°C per hour		100	
Other physical properties			
Density	ISO 1183	0.905	g/cm ³
Bulk Density	ISO 60	0.525	g/cm ³

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.