

100-AA12

Product Technical Information

Polypropylene **100-AA12** is an antistatic homopolymer with a Melt Flow Index of 12 g/10 min.

Polypropylene **100-AA12** is intended for injection moulding applications of boxes, closures and household articles.

Characteristics

Properties	Test Methods	Values	Units
Rheological			
Melt Flow Rate 230°C/2.16Kg	ISO 1133	12	g/10 min
Mechanical			
Tensile Strength at Yield	ISO 527-2	32	MPa
Elongation at Yield	ISO 527-2	10	%
Tensile modulus	ISO 527-2	1550	MPa
Flexural modulus	ISO 178	1450	MPa
Izod Impact Strength (notched) at 23°C	ISO 180	3.5	kJ/m ²
Charpy Impact Strength (notched) at 23°C	ISO 179	4.5	kJ/m ²
Hardness Rockwell - R-scale	ISO 2039-2	95	
Thermal			
Melting Point	ISO 3146	165	°C
Vicat Softening Point	ISO 306		
50N-50°C per hour		87	°C
10N-50°C per hour		152	°C
Heat Deflection Temperature	ISO 75-2		
1.80 MPa - 120°C per hour		55	°C
0.45 MPa - 120°C per hour		100	°C
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.