



104-CA03

Product Technical Information

Polypropylene **104-CA03** is a clarified nucleated homopolymer with a Melt Flow Index of 3 g/10 min

Polypropylene **104-CA03** is especially suitable for extrusion thermoforming, providing improved rigidity and impact resistance combined with a very high clarity, reduced cycle times and good antistatic properties.

Characteristics

Properties	Test Methods	Values	Units
Rheological			
Melt Flow Rate 230°C/2.16Kg	ISO 1133	3	g/10 min
Mechanical			
Tensile Strength at Yield	ISO 527-2	37	MPa
Elongation at Yield	ISO 527-2	9	%
Tensile modulus	ISO 527-2	1800	MPa
Flexural modulus	ISO 178	1700	MPa
Izod Impact Strength (notched) at 23°C	ISO 180	5	kJ/m ²
Charpy Impact Strength (notched) at 23°C	ISO 179	6	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		93	°C
10N-50°C per hour		153	°C
Heat Deflection temperature	ISO 75-2		
1.80 MPa – 120°C per hour		57	°C
0.45 MPa – 120°C per hour		105	°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.