



# 100-CA25

## Product Technical Information

Polypropylene **100-CA25** is a clarified homopolymer with a Melt Flow Index of 25 g/min.

Polypropylene **100-CA25** has been designed with a very high stiffness and an outstanding transparency.

## Characteristics

Properties	Test Methods	Values	Units
<b>Rheological</b>			
Melt Flow Rate 230°C/2.16Kg	ISO 1133	25	g/10 min
<b>Mechanical</b>			
Tensile Strength at Yield	ISO 527-2	37	MPa
Elongation at Yield	ISO 527-2	8	%
Tensile modulus	ISO 527-2	1700	MPa
Flexural modulus	ISO 178	1600	MPa
Izod Impact Strength (notched) at 23°C	ISO 180	4	kJ/m <sup>2</sup>
Charpy Impact Strength (notched) at 23°C	ISO 179	4.5	kJ/m <sup>2</sup>
Hardness Rockwell - R-scale	ISO 2039-2	98	
<b>Thermal</b>			
Melting Point	ISO 3146	165	°C
Vicat Softening Point	ISO 306		
50N-50°C per hour		90	°C
10N-50°C per hour		153	°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
<b>Other physical properties</b>			
Density	ISO 1183	0.905	g/cm <sup>3</sup>
Bulk Density	ISO 60	0.525	g/cm <sup>3</sup>

**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.