



# 200-CA20

## Product Technical Information

Polypropylene **200-CA20** is a nucleated random copolymer polypropylene with a Melt Flow Index of 20 g/min for the injection moulding of articles with high transparency and excellent surface appearance.

Polypropylene **200-CA20** is intended for household goods, thin wall packaging, caps.

## Characteristics

Properties	Test Methods	Values	Units
<b>Rheological</b>			
Melt Flow Rate 230°C/2.16Kg	ISO 1133	20	g/10 min
<b>Mechanical</b>			
Tensile Strength at Yield	ISO 527-2	20	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	6.5	kJ/m <sup>2</sup>
Charpy Impact Strength (notched) at 23°C	ISO 179	8.5	kJ/m <sup>2</sup>
Hardness Rockwell - R-scale	ISO 2039-2	82	
<b>Thermal</b>			
Melting Point	ISO 3146	146	°C
Vicat Softening Point	ISO 306		
50N-50°C per hour		67	°C
10N-50°C per hour		130	°C
<b>Other physical properties</b>			
Density	ISO 1183	0.902	g/cm <sup>3</sup>
Bulk Density	ISO 60	0.525	g/cm <sup>3</sup>
<b>Data should not be used for specification work</b>			

## 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.