



205-CA40

Product Technical Information

Polypropylene Random Copolymer

Benefits & Features

205-CA40 is a clarified random copolymer with a medium ethylene content for the fast production of high transparency thin-walled injection-moulded articles.

- Clarified: high optics even if processed at temperature below 230°C
- Antistatic
- High flow

Applications

- Transparent thin wall injection moulding
- Caps and closures
- Housewares
- Clarified food containers

Properties	Conditions	Test Methods	Values	Units
Physical				
Melt Flow Rate	230°C/2.16Kg	ISO 1133-1	40	g/10min
Mechanical*				
Flexural Modulus	23°C	ISO 178	1100	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	28	MPa
Izod Impact Strength, notched	23°C	ISO 180/A	5.0	KJ/m2
Izod Impact Strength, notched	0°C	ISO 180/A	2.8	KJ/m2
Optical				
Haze	1mm Thickness	ASTM D 1003	15	%
Haze	2mm Thickness	ASTM D 1003	30	%
Thermal				
Crystallisation Temperature	DSC	INEOS Test Method	119	°C
Heat Deflection Temperature	0.45 MPa	ISO 75-2	83	°C
Vicat Softening Temperature	10N	ISO306/A50	128	°C

Data should not be used for specification work

* Values determined on injection moulded specimens acc. to ISO 1873-2, based on 7 days conditioning time

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.