



200-CA13

Product Technical Information

Polypropylene Random Copolymer for Injection moulding

Benefits & Features

200-CA13 is a specially modified highly transparent polypropylene random copolymer with medium melt flow intended for injection moulding and injection stretch blow moulding. 200-CA13 is specially formulated for high speed injection moulding and contains nucleating and mould release additives allowing high de-moulding temperature as well as reduced cooling time. .

Products moulded from 200-CA13 have excellent transparency, very good organoleptical properties, good balance of stiffness and impact strength in ambient temperature, low blooming and good de-moulding properties.

Applications

200-CA13 is designed for transparent injection moulded houseware, closures and food packaging needing good impact strength and excellent organoleptic properties. 200-CA13 is also suitable for injection stretch blow moulding (ISBM).

Examples of products successfully injection moulded from 200-CA13 are:

- Houseware containers
- Appliances requiring good transparency
- Sweet boxes
- Lids and pails
- Closures
- Bottles

Properties	Conditions	Test Methods	Values	Units
Physical				
Melt Flow Rate	230°C/2.16Kg	ISO 1133-1	13	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	6.0	KJ/m2
Izod Impact Strength, notched	0°C	ISO 180/A	3.3	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	90	°C
Vicat Softening Temperature	10N	ISO306/A50	130	°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



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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.