



240-CA12

Product Technical Information

Polypropylene Random Copolymer for Injection moulding

240-CA12 is a specially modified highly transparent polypropylene random copolymer with medium melt flow intended for injection moulding. **240-CA12** has high gloss and good impact. **240-CA12** 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 **240-CA12** have excellent transparency, good balance of stiffness and impact strength in ambient temperature, and good de-moulding and antistatic properties

Applications

240-CA12 is designed for injection moulded houseware, closures and food packaging needing good impact strength and excellent transparency.

Examples of products successfully injection moulded from **240-CA12** are:

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

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	230°C/2.16kg	ISO 1133-1	13	g/10min
Mechanical*				
Flexural Modulus	23°C	ISO 178	850	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	27	MPa
Tensile Strain at Yield	23°C	ISO 527-1,-2	13	MPa
Charpy Impact Strength, notched	23°C	ISO 179-1/1eA	8.0	kJ/m ²
Thermal				
Heat Deflection Temperature	0.45 MPa	ISO 75-2	70	°C

Data should not be used for specification work

* Values determined on injection moulded specimens acc. to ISO 1873-2 (97), 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.