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/m²
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

June, 2022

Published by

INEOS Olefins & Polymers Europe

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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.

Regulatory Information

The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website www.ineos.com where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Safety Data Sheet (SDS) that may be obtained from the website www.ineos.com. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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June, 2022

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