Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

400-GA05

Product Technical Information

Polypropylene – Impact Copolymer

400-GA05 is a general purpose high impact copolymer for injection moulding applications. It offers a superior balance of stiffness and impact strength as compared to competitive impact copolymers of similar melt flow rate.

Benefits & Features

- Ultra-high impact resistance
- Superior impact/stiffness balance

Applications

- Appliances
- Rigid packaging
- Rigid transport packaging
- Consumer products
- Luggage

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	230°C/2.16kg	ISO 1133-1	5	g/10min
Mechanical				
Flexural Modulus	23°C	ISO 178	1200	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	25	MPa
Izod Impact Strength, notched	23°C	ISO 180/A	14	kJ/m²
Izod Impact Strength, notched	-20°C	ISO 180/A	6.5	kJ/m²
Charpy Impact Strength, notched	23°C	ISO 179-1/1eA	15	kJ/m²
Charpy Impact Strength, notched	-20°C	ISO 179-1/1eA	4.5	kJ/m²
Thermal				
Peak DSC melting temperature	2nd heating	ASTM D 3418	164	°C
Heat Deflection Temperature	0.45 MPa	ISO 75-2	86	°C
Vicat Softening Temperature	10N	ISO306/A50	152	°C

Data should not be used for specification work

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400-GA05

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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