



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/m ²
Izod Impact Strength, notched	-20°C	ISO 180/A	6.5	kJ/m ²
Charpy Impact Strength, notched	23°C	ISO 179-1/1eA	15	kJ/m ²
Charpy Impact Strength, notched	-20°C	ISO 179-1/1eA	4.5	kJ/m ²
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				

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.