



# 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.

## Applications

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

## Benefits and Features

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

Properties		Test Methods	Values	Units
<b>Physical</b>				
Melt Flow Rate	230°C/2.16kg	ISO 1133	5	g/10min
<b>Mechanical</b>				
Flexural Modulus	@23°C	ISO 178	1200	MPa
Tensile Strength	@Yield	ISO 527-1,-2	25	MPa
Izod Impact Strength, notched	@+23°C	ISO 180/1A	14	kJ/m <sup>2</sup>
	@-20°C	ISO 180/1A	6.5	kJ/m <sup>2</sup>
Charpy Impact Strength, notched	@+23°C	ISO 179/1eA	15	kJ/m <sup>2</sup>
	@-20°C	ISO 179/1eA	4.5	kJ/m <sup>2</sup>



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## Thermal

Melting Point		ASTM D 3417	164	°C
Vicat Softening Temperature	@10 N	ISO 306/A	152	°C
HDT	@0.45 MPa	ISO 75/B	86	°C

- Data should not be used for specification work