

# INEOS PP 400-GA05

Polypropylene Impact Copolymer

INEOS Olefins & Polymers Europe

Message:

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

General Information			
Features	General Purpose		
	Good Stiffness		
	Impact Copolymer		
	Ultra High Impact Resistance		
Uses	Appliances		
	Consumer Applications		
	Luggage		
	Rigid Packaging		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	25.0	MPa	ISO 527-2
Flexural Modulus (23°C)	1200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	4.5	kJ/m²	
23°C	15	kJ/m²	
Notched Izod Impact Strength			ISO 180/1A
-20°C	6.5	kJ/m²	
23°C	14	kJ/m²	
Thermal	Nominal Value	Unit	Test Method


Heat Deflection Temperature (0.45 MPa, Unannealed)	86.0	°C	ISO 75-2/B
Vicat Softening Temperature	152	°C	ISO 306/A
Peak Melting Temperature	164	°C	ASTM D3417

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