

# INEOS PP 400-GA03

Polypropylene Impact Copolymer

INEOS Olefins & Polymers Europe

Message:

400-GA03 is a high impact copolymer for sheet extrusion and thick wall injection moulding applications. It offers a good balance of stiffness and impact strength as compared to competitive impact copolymers of similar melt flow rate.

Applications

Rigid packaging (crates + large containers)

Consumer products

Sheet extrusion and thermoforming

Extrusion blow moulding

Benefits and Features

Ultra-high impact resistance

Superior impact/stiffness balance

General Information			
Features	Good Stiffness		
	Impact Copolymer		
	Ultra High Impact Resistance		
Uses	Blow Molding Applications		
	Consumer Applications		
	Containers		
	Rigid Packaging		
	Sheet		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Extrusion Blow Molding		
	Injection Molding		
	Sheet Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	26.0	MPa	ISO 527-2
Flexural Modulus (23°C)	1250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	5.0	kJ/m²	
23°C	20	kJ/m²	

Notched Izod Impact Strength			ISO 180/1A
-20°C	7.0	kJ/m <sup>2</sup>	
23°C	15	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	86.0	°C	ISO 75-2/B
Vicat Softening Temperature	153	°C	ISO 306/A50
Melting Temperature	164	°C	

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