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400-GA03

Product Technical Information

Polypropylene – Impact Copolymer

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

Properties		Test Methods	Values	Units
Physical				
Melt Flow Rate	230ºC/2.16kg	ISO 1133	2.5	g/10min
Mechanical				
Flexural Modulus	@23ºC	ISO 178	1250	MPa
Tensile Strength	@Yield	ISO 527-1,-2	26	MPa
Izod Impact Strength, notched	@+23ºC	ISO 180/1A	15	kJ/m²
	@-20ºC	ISO 180/1A	7	kJ/m²
Charpy Impact Strength, Notched	@+23ºC	ISO 179/1eA	20	kJ/m²
	@-20ºC	ISO 179/1eA	5	kJ/m²
Thermal				
Melting Point		ASTM D 3417	164	ºC
Vicat Softening Temperature	@10 N	ISO 306/A	153	ºC
HDT	@0.45 MPa	ISO 75/B	86	ºC

- Data should not be used for specification work

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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 Material Safety Data Sheet (MSDS) that may be obtained from the website www.ineospolyolefins.com. Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

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