

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

- Data should not be used for specification work