



Polyintec® APC2000-MI

High Density Polyethylene Copolymer for Injection Molding

Product Description:

Polyintec® APC2000-MI is a high-density polyethylene copolymer with a narrow molecular weight distribution, specifically designed for thin-wall injection molding and fast-cycling applications. It offers excellent high flow, low warpage, and is a slip-agent-free grade.

Suggested Applications:

Thin-walled containers, Houseware, Caps & closures – non beverages, Beverage over-caps

Nominal Physical Properties:

Property	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/2.16Kg	ISO 1133-1	31	g/10min
Physical				
Density	ISO 1872-1 23°C	ISO 1183-1	953	kg/m ³
Mechanical				
Tensile Modulus	23°C, 1 mm/min	ISO 527-2	1150	MPa
Tensile Strength at Yield	23°C, 50mm/min	ISO 527-2	26	MPa
Charpy Impact Strength, Notched	23°C	ISO 179-1/1eA	2.5	kJ/m ²
Environmental				
Environmental Stress Cracking	23°C	ASTM 1693	6	h

Important Note:

The properties listed above are typical values obtained under laboratory conditions and are not intended to be used as specifications. Users should perform their own tests to determine the product's suitability for their specific application. The responsibility of the supplier for claims is limited to the purchase price of the material.