

C765-15NA

Natural Polypropylene Impact Copolymer

Safron® C765-15NA Polypropylene Resin is a high performance impact copolymer developed for injection moulding applications. It has an improved balance of mechanical properties featuring outstanding stiffness and high impact strength which is maintained even at low temperatures.

Safron® C765-15NA Polypropylene Resin offers an improvement in stiffness over conventional impact copolymers with comparable flow and toughness. It also contains an antistatic additive.

Typical Applications

- Crates and boxes
- Household appliances
- Packaging applications
- Compounding
- Toys
- Pails
- Thin walled containers

PROPERTIES ⁽¹⁾	VALUE	UNIT	TEST METHOD
Physical			
Melt Flow Rate, 230 °C/ 2.16 kg	15	g/10min	ISO 1133
Density	0.9	g/cm ³	ISO 1183
Mechanical ⁽²⁾			
Hardness Shore D	66	Units	ISO 868
Tensile Strength at Yield	26	MPa	ISO 527
Elongation at Yield	10	%	ISO 527
Flexural Modulus	1200	MPa	ISO 178
Thermal ⁽²⁾			
Heat Deflection Temperature - HDT B (0.45 MPa)	90	°C	ISO 75/B
Vicat Softening Point A (10 N)	150	°C	ISO 306/B
Impact ⁽²⁾			
Charpy Notched Impact Strength (23 °C)	12	kJ/m ²	ISO 179
Charpy Notched Impact Strength (-20 °C)	6.5	kJ/m ²	ISO 179

(1) Typical values; not to be construed as specification limits.

(2) Injection Moulded specimens.

Typical processing conditions	Injection Moulding
Zone 1 (°C)	190
Zone 2 (°C)	220 - 250
Zone 3 (°C)	250 - 270
Zone 4 (°C)	260
Nozzle (°C)	240

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<p>Food Contact Compliance</p>	<p>Safron® C765-15NA Polypropylene Resin should comply with Commission Regulation (EU) No 10/2011 and with U.S. FDA 21 CFR 177.1520(c)3.2a food contact regulations when used unmodified and processed according to good manufacturing practices for food contact applications. The purchaser remains responsible for determining whether the use complies with all relevant regulations.</p>
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Additional Information

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