

C722-07NA

Natural Polypropylene Impact Copolymer

Safron® C722-07NA Polypropylene Resin is a nucleated impact copolymer with high impact strength, good flow and a narrow molecular weight distribution used for general purpose complex injection moulding applications where toughness is required. The narrow MWD leads to a high dimensional stability in complicated articles.

Safron® C722-07NA Polypropylene Resin contains an antistatic additive.

Typical Applications

- Houseware
- Appliances
- Automotive battery cases
- Containers

| PROPERTIES ⁽¹⁾ | VALUE | UNIT | TEST METHOD |
|--|-------|-------------------|-------------|
| Physical | | | |
| Melt Flow Rate, 230 °C/ 2.16 kg | 7.5 | g/10min | ISO 1133 |
| Density | 0.9 | g/cm ³ | ISO 1183 |
| Mechanical ⁽²⁾ | | | |
| Tensile Strength at Yield | 26 | MPa | ISO 527 |
| Elongation at Yield | 8 | % | ISO 527 |
| Flexural Modulus | 1250 | MPa | ISO 178 |
| Thermal ⁽²⁾ | | | |
| Heat Deflection Temperature - HDT A (1.8 MPa) | 52 | °C | ISO 75/A |
| Heat Deflection Temperature - HDT B (0.45 MPa) | 72 | °C | ISO 75/B |
| Vicat Softening Point B (50 N) | 66 | °C | ISO 306/B |
| Impact ⁽²⁾ | | | |
| Charpy Notched Impact Strength (23 °C) | 10.5 | kJ/m ² | ISO 179 |
| Charpy Notched Impact Strength (0 °C) | 5.5 | 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 - 240 |
| Zone 3 (°C) | 240 - 260 |
| Zone 4 (°C) | 260 - 270 |
| Nozzle (°C) | 260 |

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| Food Contact Compliance | <p>Safron[®] C722-07NA 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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