

Safron® (PolyPropylene)

Technical Data Sheet

H713-06

Natural Polypropylene Homopolymer

Safron® H713-06 Polypropylene Resin is developed for the production of slit film tapes where high extrusion speeds are required. It offers excellent processability and low water carry over.

Safron® H713-06 is also suitable for general purpose injection moulding applications.

Typical Applications

- Slit film tapes for woven bags
- Caps and closures
- Domestic Ware
- Select industrial applications

| PROPERTIES ⁽¹⁾ | VALUE | UNIT | TEST METHOD |
|--|-------|-------------------|-------------|
| Physical | | | |
| Melt Flow Rate, 230 °C/ 2.16 kg | 5.4 | g/10min | ISO 1133 |
| Density | 0.9 | g/cm ³ | ISO 1183 |
| Mechanical ⁽²⁾ | | | |
| Tensile Strength at Yield | 34 | MPa | ISO 527 |
| Elongation at Yield | 8 | % | ISO 527 |
| Flexural Modulus | 1500 | MPa | ISO 178 |
| Thermal ⁽²⁾ | | | |
| Heat Deflection Temperature - HDT A (1.8 MPa) | 57 | °C | ISO 75/A |
| Heat Deflection Temperature - HDT B (0.45 MPa) | 88 | °C | ISO 75/B |
| Vicat Softening Point B (50 N) | 90 | °C | ISO 306/B |
| Impact ⁽²⁾ | | | |
| Charpy Notched Impact Strength (23 °C) | 4.5 | kJ/m ² | ISO 179 |

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

(2) Injection Moulded specimens.

| Typical processing conditions | Extrusion | Injection Moulding |
|-------------------------------|-----------|--------------------|
| Zone 1 (°C) | 190 - 210 | 180 - 200 |
| Zone 2 (°C) | 210 - 230 | 210 - 230 |
| Zone 3 (°C) | 230 - 250 | 240 - 260 |
| Zone 4 (°C) | 230 - 250 | 250 |
| Nozzle (°C) | ~ | 240 |
| Die | 250 | ~ |

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| <p>Food Contact Compliance</p> | <p>Safron[®] H713-06 Polypropylene Resin should comply with Commission Regulation (EU) No 10/2011 and with U.S. FDA 21 CFR 177.1520(c)1.1a 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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