

# 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 tapes for woven bags
- Caps and closures
- Domestic Ware
- Selected industrial applications

PROPERTIES <sup>(1)</sup>	VALUE	UNIT	TEST METHOD
<b>Physical</b>			
Melt Flow Rate, 230 °C/ 2.16 kg	5.4	g/10min	ISO 1133
Density	0.9	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b> <sup>(2)</sup>			
Tensile Strength at Yield	34	MPa	ISO 527
Elongation at Yield	8	%	ISO 527
Flexural Modulus	1500	MPa	ISO 178
<b>Thermal</b> <sup>(2)</sup>			
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
<b>Impact</b> <sup>(2)</sup>			
Charpy Notched Impact Strength (23 °C)	4.5	kJ/m <sup>2</sup>	ISO 179

<sup>(1)</sup> Typical values; not to be construed as specification limits.

<sup>(2)</sup> 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><b>Food Contact Compliance</b></p>	<p>Safripol<sup>®</sup> 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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**Published:**

July 2018