SAFRIPOL
shaping your world, responsibly

Safripol (Pty) Ltd

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/m2	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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Product Stewardship	At Safripol, protecting people and the environment will be a part of everything we do and every decision we make. Each employee has a primary responsibility in ensuring that our products and operations meet applicable government standards. Our goal is to eliminate all injuries, prevent adverse environment and health impacts, reduce wastes and emissions and promote resource conservation at every stage of the life cycle of our products. The success of this rests with each and every individual involved with Safripol products throughout the life cycle.
Food Contact Compliance	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.
Customer Notice	Safripol strongly encourages its customers to review both their manufacturing processes and their applications of Safripol products from the standpoint of human health and environmental quality to ensure that Safripol products are not used in ways for which they are not intended or tested. Safripol personnel are available to answer your questions and to provide reasonable technical support. Safripol product literature, including safety data sheets, should be consulted prior to use of Safripol products. Current safety data sheets are available from Safripol.
Safripol Medical Application Policy	Safripol will not knowingly sell or sample any product or service ("Product") into any commercial or developmental application that is intended for: a. permanent (Long term) contact with internal body fluids or internal body tissues. Long term is a use which exceeds 72 continuous hours. b. use in cardiac prosthetic devices regardless of the length of time involved; (Cardiac prosthetic devices include, but are not limited to, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems, and ventricular bypass assisted devices); c. use as a critical component in medical devices that support or sustain human life; or d. use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction. Additionally, all Products intended for use in pharmaceutical applications, other than pharmaceutical packaging, must pass the current Pharmaceutical Liability Guidelines. ● New business opportunities require a business assessment prior to sale or sampling of Safripol products. ● Authorized distributors and resellers will adhere to this medical policy. ● Safripol does not endorse or claim suitability of their products for specific medical applications. It is the responsibility of the medical device or pharmaceutical manufacturer to determine that the Safripol product is safe, lawful, and technically suitable for the intended use. SAFRIPOL MAKES NO WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE SUITABILITY OF ANY SAFRIPOL PRODUCT FOR USE IN MEDICAL APPLICATIONS.
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Additional Information

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