

Safron® H511-03

Polypropylene Homopolymer

Safripol (PTY) LTD

Message:

H511-03 Polypropylene Resin is a homopolymer developed for the production of slit film tapes. H511-03 Polypropylene Resin offers excellent processability and low water carry-over. H511-03 Polypropylene Resin is also suitable for the production of water quenched blown film and monofilaments.

General Information

Features	Food Contact Acceptable Good Processability Homopolymer Low Water Carryover
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Uses	Carpet Backing Fabrics Film Monofilaments Rope Slit-Film Fiber Tape Textile Applications Twine
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Agency Ratings	EU 2002/72/EC
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Processing Method	Blown Film Filament Extrusion
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Physical	Nominal Value	Unit	Test Method
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Density	0.900	g/cm ³	ISO 1183
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Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.3	g/10 min	ISO 1133
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Mechanical	Nominal Value	Unit	Test Method
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Tensile Stress (Yield, Injection Molded)	31.0	MPa	ISO 527-2
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Tensile Strain (Yield, Injection Molded)	8.5	%	ISO 527-2
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Flexural Modulus (Injection Molded)	1350	MPa	ISO 178
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Impact	Nominal Value	Unit	Test Method
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Charpy Notched Impact Strength (23°C, Injection Molded)	5.8	kJ/m ²	ISO 179/1eA
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Thermal	Nominal Value	Unit	Test Method
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Heat Deflection Temperature ¹			
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0.45 MPa, Unannealed	78.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	54.0	°C	ISO 75-2/A
Vicat Softening Temperature ²	90.0	°C	ISO 306/B

NOTE

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| 1. | Injection Molded |
| 2. | Injection Molded |

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