PP HOMO POLYMER

HP550J - (Jampilen)

Product Description:

Jampilen HP550J" is a polypropylene homopolymer particularly suitable for the extrusion of sheet for thermoforming, film yarn and monofilament. This grade combines suitable processability with good mechanical properties.

"Jampilen HP550J" is designed for the production of films that can be converted into stretched tapes for weaving applications. Textile film yarns with a denier count of not more than 1100 to 1200 are used for the production of carpet backings, bags, industrial fabrics, mats and artificial grass. Film yarn with a denier count ranging from 3000 to 28000 is used for baler twines, packaging twines and ropes.

"Jampilen HP550J" is suitable for food contact.
Processing Method:

- Extrusion (film, yarn, monofilament, sheet)
- Thermoforming

Features:

- Good processability
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- Good mechanical properties
- Homopolymer

Typical Applications:

Stiff sheet for high quality thermoformings such as vending cups, packaging for dairy products and trays for fruit, biscuits and chocolates

Film yarn, raffia, tapes, strapping

Carpet backings, bags, industrial fabrics, mats Artificial grass

Baler twines, packaging twines and ropes

Brush and broom filling and technical applications Nets for various purposes

Approval:

- Food

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PROPERTY	TEST METHOD	UNIT	VALUE
Physical properties			
Melt Flow Rate (230 °C, 2.16kg)	ASTM D1238	g/10min	3.2
Density	ASTM D1505	g/cm³	0.9
Mechanical			
Flexural Modulus	ASTM D790	MPa	1400
Tensile Strength at Yield	ASTM D638	MPa	32
Tensile Elongation at Yield	ASTM D638	%	9
Izod Impact Strength (notched) at 23 oC	ASTM D256	J/m	50
Thermal			
Vicat softening point (10N)	ASTM D1525	o_c	152
H.D.T. (0.46 MPa)	ASTM D648	o_c	84
Accelerated oven ageing in air at 150 °C	ASTM D3012	hours	360