

Jampilen HP550J

Polypropylene Homopolymer



Description

“Jampilen HP550J” is a polypropylene Homopolymer particularly suitable for the extrusion of sheet for thermoforming, film yarn and monofilament. This grade combines outstanding 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
- Good mechanical properties
- Homopolymer

Applications

- Stiff sheet for high quality thermoforming’s such as vending cups, packaging for dairy products, tray for fruits, biscuits and chocolates
- Film yarn, raffia, tapes and strapping
- Carpet backings, bags, industrial fabrics, mats and artificial grass
- Baler twines, packaging twines and ropes
- Brush and broom filling and technical applications
- Nets for various purpose

TYPICAL PROPERTIES	UNIT	TYPICAL VALUE	TEST METHOD
PHYSICAL			
MELT FLOW RATE (230°C, 2.16 KG)	g/10min	3.2	ASTM D1238
DENSITY	g/cm ³	0.9	ASTM D1505
MECHANICAL			
FLEXURAL MODULUS	MPa	1550	ASTM D790
TENSILE STRENGTH AT YIELD	MPa	35	ASTM D638
TENSILE ELONGATION AT YIELD	%	12	ASTM D638
IZOD IMPACT STRENGTH (NOTCHED) AT 23 °C	J/M	55	ASTM D256
ROCKWELL HARDNESS	R Scale	102	ASTM D785
THERMAL			
VICAT SOFTENING POINT(10N)	°C	156	ASTM D1525
H.D.T (0.46 MPA)	°C	94	ASTM D648
ACCELERATED OVEN AGEING IN AIR AT 150°C	Hours	360	ASTM D3012

Approval

Food Certificate

Producer: Jam Polypropylene Co. (JPPC)

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