

## Jampilen HP550J

### 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 deniercount of not more than 1100 to 1200 are used for the production of carpeted 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 )

### Features :

- Good processability
- 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
- Baler twines, packaging twines and ropes
- Brush and broom filling and technical applications
- Nets for various purposes

### Approval :

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
<b>PHYSICAL</b>			
Melt Flow Index (230 °C/2,16Kg)	3.2	g/10min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTM D1505
<b>MECHANICAL</b>			
Flexural Modulus	1550	MPa	ASTM D790
Tensile Strength at Yield	35	Mpa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength ( notched ) at 23°C	55	J/m	ASTM D256
Rockwell Hardness	102	R Scale	ASTM D785
<b>THERMAL</b>			
Vicat softening point (10N )	156	°C	ASTM D1525
H.D.T (0,46 MPa)	94	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	hours	ASTM D3012

