

# Jampilen HP550J

## 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

### Typical Applications:

Stiff sheet for high quality thermoformings such as vending cups, packaging for dairy products and trays for fruit, biscuits and chocolate;  
Film yarn, raffia, tapes, 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 purposes

### Approval:

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
<b>Physical</b>			
Melt Flow Rate (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