

# Technical Datasheet

## HP550J

### 1) Product 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 suitable for food contact.

### 2) Processing Method:

Extrusion (film yarn, monofilament, sheet) Thermoforming

### 3) 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 and artificial grass, Baler twines, packaging twines and ropes, Brush and broom filling and technical applications, Nets for various purposes

### 4) Typical data:

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate (230 °C, 2.16kg)	ASTM D1238	g/10min	3.2
Density	ASTM D1505	g/cm <sup>3</sup>	0.9
Flexural Modulus	ASTM D790	MPa	1550
Tensile Strength at Yield	ASTM D638	MPa	35
Tensile Elongation at Yield	ASTMD638	%	12
Izod Impact Strength (notched) at 23 °C	ASTM D256	J/m	55
Rockwell Hardness	ASTM D785	R Scale	102
Vicat softening point (10N)	ASTM D1525	°C	156
H.D.T. (0.46 Mpa)	ASTM D648	°C	94
Accelerated oven ageing in air at 150 °C	ASTM D3012	hours	360