

# Technical Datasheet

## HP510L

### 1) Product Description:

"Jampilen HP510L" is a polypropylene homopolymer with good flow properties and is particularly suitable for the extrusion of film yarn, monofilament, cast film and sheet.

"Jampilen HP510L" combines outstanding processability with good mechanical properties. Film yarn made of "Jampilen HP510L" is used for baler twines, packaging twines and ropes.

Jampilen HP510L" is well suited for the production of monofilament used for instance in brush and broom filling and technical applications.

### 2) Processing Method:

Extrusion (sheet, film yarn, monofilament), Cast film

### 3) Applications:

- ✓ Baler twines, packaging twines and ropes, Brush and broom filling and technical applications, Coextruded film for packaging, Thin sheet for stationery folders, Sheet for thermoforming, Straws, Gunnies.

### 4) Typical data:

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate (230 °C, 2.16kg)	ASTM D1238	g/10min	6.0
Density	ASTM D1505	g/cm <sup>3</sup>	0.9
Flexural Modulus	ASTM D790	MPa	1500
Tensile Strength at Yield	ASTM D638	MPa	35
Tensile Elongation at Yield	ASTM D638	%	12
Izod Impact Strength (notched) at 23 °C	ASTM D256	J/m	40
Rockwell Hardness	ASTM D785	R Scale	100
Vicat softening point (10N)	ASTM D1525	°C	154
H.D.T. (0.46 Mpa)	ASTM D648	°C	94
Accelerated oven ageing in air at 150 °C	ASTM D3012	hours	360