

# Jampilen HP510L

Polypropylene Homopolymer

Jam Polypropylene Company

## Message:

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 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.

General Information	
Features	Good Flow
	Good Processability
	Homopolymer
Uses	Drinking Straws
	Filaments
	Film
	Packaging
	Rope
	Sheet
	Stationary Supplies
	Twine
Processing Method	Cast Film
	Filament Extrusion
	Film Extrusion
	Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1500	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	94.0	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525 <sup>1</sup>
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012

#### NOTE

1. Loading 1 (10 N)

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#### Recommended distributors for this material

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