

PP HP 510 L

Description

"HP510L" is a polypropylene homopolymer with good flow properties and is particularly suitable for the extrusion of film yarn, monofilament, cast film, and sheet. "HP510L" combines outstanding processability with good mechanical properties. Film yarn made of "HP510L" is used for baler twines, packaging twines, and ropes. "HP510L" is well suited for the production of monofilament used for instance in brush and broom filling and technical applications.

Processing Method

- Extrusion (Sheet, film, yarn, monofilament)
- Cast film

Features

- Good processability
- Good mechanical properties
- Homopolymer

Typical 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

Approval

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16 kg)	6.0	g/10 min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	1500	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	40	J/m	ASTM D256
Rockwell Hardness	100	R Scale	ASTM D785
Thermal			
Vicat Softening Point (10 N)	154	°C	ASTM D1525
Heat Deflection Temperature (0.46 MPa)	94	°C	ASTM D648
Accelerated Oven Ageing in Air at 150 °C	360	hours	ASTM D3012

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