

Jampilen HP510L

Homopolymer

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.

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, 2.16kg)	6.0	g/10min	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 (10N)	154	°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