



# Jampilen HP522H

Homopolymer

JAMPILen Polypropylene

## Description:

"Jampilen HP522H" is a homopolymer for the production of biaxially oriented polypropylene films which is particularly suitable for metallization, both as plain film and in coextruded structures. "Jampilen HP522H" has been designed to provide a very stable extrusion on stenter lines and to give excellent thickness control, increased drawability and readiness to a two way orientation. This grade contains a reinforced processing stabilization but does not contain any slip or antiblocking agents and is calcium stearate free. The product features low water carry-over properties and is therefore also suitable for tubular BOPP.

BOPP films produced with "Jampilen HP522H" feature good mechanical properties, even at low temperatures, excellent barrier against moisture, odours, oils, fats and oxygen and good optical properties.

Monolayer or coextruded films made of "Jampilen HP522H" with a thickness ranging from 20 to 40  $\mu\text{m}$  are used for the packaging of foodstuffs, cosmetics and videocassettes.

"Jampilen HP522H" is suitable for food contact.

## Processing Method:

BOPP Film

## Features:

High impact strength and puncture resistance  
Excellent barrier against moisture, odours, oils and oxygen  
Good optical properties  
Homopolymer

## Typical Applications:

Food packaging  
Packaging of cosmetics and videocassettes  
Lamination to other flexible films

## Approval:

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
<b>Physical</b>			
Melt Flow Rate (230 °C, 2.16kg)	2.0	g/10min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Flexural Modulus	1650	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	60	J/m	ASTM D256
Rockwell Hardness	105	R Scale	ASTM D785
<b>Thermal</b>			
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	500	hours	ASTM D3012
<b>Optical</b>			
Haze (20 $\mu\text{m}$ )	0.6	%	ASTM D1003

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