



# SABIC<sup>®</sup> PP 520L

POLYPROPYLENE HOMOPOLYMER

## DESCRIPTION

SABIC<sup>®</sup> PP 520L is specially developed for tubular water quenched blown film applications with suitable dosage of slip and antiblock additives.

Films produced using SABIC<sup>®</sup> PP 520L has the following features: Consistent processability; High melt strength; Good optical properties; Excellent runability on bagging and sealing machines.

## TYPICAL APPLICATIONS

SABIC<sup>®</sup> PP 520L can be used for producing garment packaging, textiles packaging, magazine covers and for food packaging.

## TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate</b>			
at 230°C and 2.16kg	10	g/10 min	ASTM D1238
<b>Density</b>			
at 23°C	905	kJ/m <sup>2</sup>	ASTM D792
<b>FORMULATION</b>			
Slip agent	☑	-	-
Anti block agent	☑	-	-
<b>MECHANICAL PROPERTIES</b>			
<b>Flexural Modulus (1% Secant)</b>			
	1600	MPa	ASTM D790 A
<b>Izod Impact Strength</b>			
notched, at 23°C	23	J/m	ASTM D256
<b>Rockwell Hardness, R-Scale</b>			
	102	-	ASTM D785
<b>FILM PROPERTIES</b>			
<b>Tensile Properties <sup>(1)</sup></b>			
stress at yield	35	MPa	ASTM D638
strain at yield	10	%	ASTM D638
<b>THERMAL PROPERTIES</b>			
<b>Vicat Softening Temperature</b>			
	155	°C	ASTM D1525
<b>Heat deflection temperature</b>			
at 455kPa	105	°C	ASTM D648

(1) Based on injection molded specimens.

## PROCESSING CONDITIONS

Typical processing conditions for PP520L are:

Average extrusion temperature range may be kept at 205 - 215°C.