

SABIC® PP 520L

POLYPROPYLENE HOMOPOLYMER

DESCRIPTION

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

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

TYPICAL APPLICATIONS

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

TYPICAL PROPERTY VALUES

Revision 20220721

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

STORAGE AND HANDLING

Polypropylene resin should be stored in a manner to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably do not exceed 50°C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PP resin within 6 months after delivery.

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