

# SABIC® PP 512A

POLYPROPYLENE HOMOPOLYMER

## DESCRIPTION

SABIC® PP 512A is a controlled rheology grade with narrow molecular weight distribution intended for general purpose applications such as woven sacks lamination and injection molding.

SABIC® PP 512A has the following features: Consistent processability; Good thread line stability; Good color consistency; Good gas fading resistance.

## TYPICAL APPLICATIONS

SABIC® PP512A can be used for woven sacks lamination, woven fabric coating and household articles.

## TYPICAL PROPERTY VALUES

Revision 20201211

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230°C and 2.16kg	25	g/10 min	ASTM D1238
<b>Density</b>			
at 23°C	905	kg/m <sup>3</sup>	ASTM D792
<b>MECHANICAL PROPERTIES</b>			
<b>Flexural Modulus (1% Secant)</b>			
	1520	MPa	ASTM D790 A
<b>Izod Impact Strength</b>			
notched, at 23°C	22	J/m	ASTM D256
<b>Rockwell Hardness, R-Scale</b>			
	104	-	ASTM D785
<b>FILM PROPERTIES</b>			
<b>Tensile Properties <sup>(1)</sup></b>			
stress at yield	35	MPa	ASTM D638
strain at yield	11	%	ASTM D638
<b>THERMAL PROPERTIES</b>			
<b>Vicat Softening Temperature</b>			
	155	°C	ASTM D1525
<b>Heat deflection temperature</b>			
at 455kPa	106	°C	ASTM D648

(1) Based on injection molded specimens.

## PROCESSING CONDITIONS

Typical processing conditions for 512A are:

Average extrusion temperature range may be kept at 210 - 250°C.

Lower processing temperatures are possible with this material and will result in better long term heat aging.

## 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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