



# SABIC<sup>®</sup> PP 516A

POLYPROPYLENE HOMOPOLYMER

## DESCRIPTION

SABIC<sup>®</sup> PP 516P is a PP homopolymer grade specially designed for fiber extrusion applications with the following features: Consistent processability; Good thread line stability; Good color consistency; Good gas fading resistance.

## TYPICAL APPLICATIONS

SABIC<sup>®</sup> PP 516A is suitable for extrusion of staple fibers used in geotextile applications with superior tensile properties.

## TYPICAL PROPERTY VALUES

Revision 20181012

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate</b>			
at 230°C and 2.16kg	4.8	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>			
	1500	MPa	ASTM D790 A
<b>Izod Impact Strength</b>			
notched, at 23°C	32	J/m	ASTM D256
<b>Rockwell Hardness, R-Scale</b>			
	100	-	ASTM D785
<b>FILM PROPERTIES</b>			
<b>Tensile Properties <sup>(1)</sup></b>			
stress at yield	35	MPa	ASTM D638
strain at yield	12	%	ASTM D638
<b>THERMAL PROPERTIES</b>			
<b>Vicat Softening Temperature</b>			
	155	°C	ASTM D1525
<b>Heat deflection temperature</b>			
at 455kPa	100	°C	ASTM D648

(1) Based on injection molded specimens.

## PROCESSING CONDITIONS

Typical processing conditions for 516A are:

Average extrusion temperature range may be kept at 235 - 250°C.

## HEALTH, SAFETY AND FOOD CONTACT REGULATIONS

Material Safety Data Sheets (MSDS) and Product Safety declarations are available on our Internet site <http://www.SABIC.com>. For additional specific information please contact SABIC local representative.

DISCLAIMER: This product is not intended for and must not be used in any pharmaceutical / medical applications.



## 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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