

SABIC® PP 519A

POLYPROPYLENE HOMOPOLYMER
REGION ASIA

DESCRIPTION

SABIC® PP 519A is a polypropylene homopolymer resin specifically designed to enable optimised production speed of very fine filament titre resulting in an excellent balance of mechanical properties and softness. The rheological performance of SABIC® PP519A is providing the potential to optimise production efficiency especially for fibre production characterised by consistent high speed and low non wovens weights at reduced temperatures. SABIC® PP 519A has a very narrow molecular weight distribution. SABIC® PP 519A is compatible with all existing spun bond machine technologies producing different non woven compositions. SABIC® PP 519A has a special developed anti gas fading formulation to minimise discolouration of the fibers.

TYPICAL APPLICATIONS

SABIC® PP 519A is typically used for the production of spunbond non wovens and fibers used in: Diapers, feminine care, apparel, crop/flower protection, concrete reinforcement, building, geo-textiles.

TYPICAL PROPERTY VALUES

Revision 20220218

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230°C and 2.16kg	35	g/10 min	ASTM D1238
Density			
at 23°C	905	kg/m³	ASTM D792
MECHANICAL PROPERTIES			
Flexural Modulus (1% Secant)			
	1500	MPa	ASTM D790 A
Izod Impact Strength			
notched, at 23°C	20	J/m	ASTM D256
Rockwell Hardness, R-Scale			
	102	-	ASTM D785
FILM PROPERTIES			
Tensile Properties ⁽¹⁾			
stress at yield	31	MPa	ASTM D638
strain at yield	10	%	ASTM D638
THERMAL PROPERTIES			
Vicat Softening Temperature			
	154	°C	ASTM D1525
Heat deflection temperature			
at 455kPa	92	°C	ASTM D648

(1) Based on injection molded specimens.

PROCESSING CONDITIONS

Processing conditions: SABIC® PP 519A can be processed at typical processing conditions.
Average extrusion temperature range may be kept at 210 - 250°C.

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CHEMISTRY THAT MATTERS™



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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