

# SABIC® PP 519A

## POLYPROPYLENE HOMOPOLYMER

### 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
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16 kg	35	dg/min	ISO 1133
<b>Density</b>	905	kg/m <sup>3</sup>	ASTM D1505
<b>Molecular Weight Distribution</b>	Narrow	-	-
<b>Isotacticity</b>	Medium	-	-
<b>FORMULATION</b>			
<b>Gas fading stabilized</b>	<input checked="" type="checkbox"/>	-	SABIC method
<b>MECHANICAL PROPERTIES</b>			
<b>Tensile test</b>			
strain at yield <sup>(1)</sup>	10	%	ISO 527-2 1A
tensile modulus <sup>(2)</sup>	1500	MPa	ISO 527-2 1A
stress at yield	30	MPa	ISO 527-2 1A

(1) Speed of testing: 50 mm/min

(2) Speed of testing: 1 mm/min

### 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.

### 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.



## DISCLAIMER

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NONINFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.