



# SABIC<sup>®</sup> PP 519A

POLYPROPYLENE HOMOPOLYMER

## DESCRIPTION

SABIC<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> PP 519A has a very narrow molecular weight distribution. SABIC<sup>®</sup> PP 519A is compatible with all existing spun bond machine technologies producing different non woven compositions. SABIC<sup>®</sup> PP 519A has a special developed anti gas fading formulation to minimise discolouration of the fibers.

## TYPICAL APPLICATIONS

SABIC<sup>®</sup> 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

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate</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<sup>®</sup> PP 519A can be processed at typical processing conditions.

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