

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

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.

