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
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	35	dg/min	ISO 1133
Density	905	kg/m³	ASTM D1505
Molecular Weight Distribution	Narrow	-	-
Isotacticity	Medium	-	-
FORMULATION			
Gas fading stabilized	☑	-	SABIC method
MECHANICAL PROPERTIES			
Tensile test			
strain at yield [1]	10	%	ISO 527-2 1A
tensile modulus [2]	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 resinvwithin 6 months after delivery.

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