



PP 519A (Provisional Data Sheet)

PP Homopolymer for Spunbond applications

Product Description

PP 519A is a controlled rheology grade with narrow molecular weight distribution intended for spun bond fiber extrusion applications.

PP 519A has following features:

- Consistent processability
- Good thread line stability
- Good color consistency
- Good gas fading resistance

Typical Applications

PP 519A can be found suitable for high speed production of fine filament spun bond fabrics having excellent tensile properties and softness.

Typical data

Properties	Unit	Value ⁽¹⁾	ASTM Method
Resin Properties			
Melt Flow Rate @ 230°C & 2.16 kg load	g/10 min.	35	D 1238
Density @ 23°C	kg/m ³	905	D 792
Tensile Properties			
Tensile Strength @ Yield	MPa	31	D 638
Tensile Elongation @ Yield	%	10	D 638
Flexural Modulus (1% Secant)	MPa	1500	D 790A
Notched Izod Impact Strength @ 23°C	J/m	20	D 256
Rockwell Hardness, R-Scale	-	102	D 785
Thermal Properties			
Vicat Softening Point	°C	154	D 1525B
Heat Deflection Temperature @ 455 KPa	°C	92	D 648

(1) Typical values; not to be construed as specification limits.

(2) Based on injection molded specimens.

Processing Conditions

Average extrusion temperature range may be kept at 210 - 250°C. PP 519A is recommended for

Reicofil 4 spun bond machine at high line speeds for the production of low gsm SS spun bond fabrics.

Food Regulation

PP 519A is suitable for Food contact application. Detailed information is provided in relevant Material Safety Datasheet and for additional specific information please contact SABIC local representative for certificate.

Storage and Handling

PP resin should be stored to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably don't 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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