



PP 511A (Provisional Data Sheet)

PP Homopolymer for Spunbond applications

Product Description

PP 511A is a controlled rheology grade with narrow molecular weight distribution intended for spun bond fiber extrusion applications.

PP 511A has following features:

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

Typical Applications

PP 511A can be found suitable for high speed production of fine filament spun bond fabrics having excellent tensile properties.

Typical data

Properties	Unit	Value ⁽¹⁾	ASTM Method
Resin Properties			
Melt Flow Rate @ 230°C & 2.16 kg load	g/10 min.	25	D 1238
Density @ 23°C	kg/m ³	905	D 792
Mechanical Properties			
Tensile Strength @ Yield	MPa	35	D 638
Tensile Elongation @ Yield	%	11	D 638
Flexural Modulus (1% Secant)	MPa	1520	D 790A
Notched Izod Impact Strength @ 23°C	J/m	22	D 256
Rockwell Hardness, R-Scale	-	104	D 785
Thermal Properties			
Vicat Softening Point	°C	155	D 1525B
Heat Deflection Temperature @ 455 KPa	°C	106	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 511A is recommended for Reicofil 3&4 spun bond machines at high line speeds .

Food Regulation

PP 511A 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.

Saudi Basic Industries Corporation, P.O.Box 5101, Riyadh 11422, Kingdom of Saudi Arabia
Tel: 966 1 2258000
Fax: 966 1 2259000

Technical Marketing
Tel: 966 1 2659166
Fax: 966 1 2653544
Toll-free 800 1245577

PP Sales:
Fax: 966 1 2258771
Website: www.sabic.com

NOTICE: The information and data contained herein are believed to be correct and given in good faith, but because of the many particular factors which are outside our knowledge and control and affect the use of product, no warranty is given or is to be implied with respect to such information, nor do we offer any immunity against infringement.