



PP 514P (Provisional Data sheet)

PP Homopolymer for Spunbond applications

Product Description

PP 514P is a homopolymer with very narrow molecular weight distribution intended for fiber extrusion applications.

PP 514P has following features:

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

Typical Applications

PP 514P 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 (2)			
Tensile Strength @ Yield	MPa	35	D 638
Tensile Elongation @ Yield	%	10	D 638
Flexural Modulus (1% Secant)	MPa	1520	D 790A
Notched Izod Impact Strength @ 23°C	J/m	30	D 256
Rockwell Hardness, R-Scale	-	104	D 785
Thermal Properties(2)			
Vicat Softening Point	°C	150	D 1525B
Heat Deflection Temperature @ 455 KPa	°C	95	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. Lower processing temperature are possible with this material and will result in better long term heat aging.

Food Regulation

PP 514P is suitable for food contact application. Detailed information is provided in the relevant Material Safety Data Sheet 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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