



## PP 5201L (Provisional Data Sheet) PP Homopolymer for tubular water quenched film

### Product Description

PP 5201L is specially developed for tubular water quenched blown film applications with suitable dosage of slip and antiblock additives.

Films produced using PP 5201L have the following features:

- Good processability
- Good optical properties
- High melt Strength
- Excellent runability on bagging and sealing machines

### Typical Applications

PP 5201L can be used for producing packaging for garments, textiles, stationery and food .

### Typical data

Properties	Unit	Value <sup>(1)</sup>	ASTM Method
<b>Resin Properties</b>			
Melt Flow Rate @ 230°C & 2.16 kg load	g/10 min.	11	D 1238
Density @ 23°C	kg/m <sup>3</sup>	905	D 792
<b>Mechanical Properties <sup>(2)</sup></b>			
Tensile Strength @ Yield	MPa	35	D 638
Tensile Elongation @ Yield	%	10	D 638
Flexural Modulus (1% Secant)	MPa	1450	D 790A
Notched Izod Impact Strength @ 23°C	J/m	23	D 256
Rockwell Hardness, R-Scale	-	102	D 785
<b>Thermal Properties<sup>(2)</sup></b>			
Vicat Softening Point	°C	155	D 1525B
Heat Deflection Temperature @ 455 KPa	°C	100	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 205 - 215°C

### Food Regulation

For food contact approval of PP 5201L or any other specific application please contact your local SABIC representative.

### 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](http://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.*