

SABIC® PP 5201L

Polypropylene Homopolymer

SABIC Americas, Inc.

Message:

Provisional - PP Homopolymer for tubular water quenched film
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.

General Information			
Additive	Antiblock Slip		
Features	Antiblocking Good Processability High Strength Homopolymer Opticals Slip		
Uses	Packaging		
Forms	Pellets		
Processing Method	Blown Film Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	0.905	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	102		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	35.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	10	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1450	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C, Injection Molded)	23	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	100	°C	ASTM D648
Vicat Softening Temperature	155	°C	ASTM D1525 ²
Extrusion	Nominal Value	Unit	
Melt Temperature	205 to 215	°C	
NOTE			
1.	23°C		
2.	Rate B (120°C/h)		

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