

SABIC® PP 500P

Polypropylene Homopolymer
Saudi Basic Industries Corporation (SABIC)

Message:

PP Homopolymer for Raffia applications
PP 500P is specially developed for producing stretched tapes with following features.
Consistent processability
Easy orientation
Low water carry over
Good mechanical properties
Typical Applications
PP 500P can be used for producing woven bags, flexible intermediate bulk containers, ropes & twines, carpet backing, geotextiles and concrete reinforcements.

General Information	
Features	Homopolymer
	Workability, good
	Compliance of Food Exposure
	Low water portability
Uses	Strap
	Carpet backing
	Textile applications
	Rope
Forms	Particle
Processing Method	Extrusion
	Injection molding

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)	3.0	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)	1500	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C, Injection Molded)	25	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	152	°C	ASTM D1525 ²
Injection	Nominal Value	Unit	
Rear Temperature	235 - 250	°C	
Middle Temperature	235 - 250	°C	
Front Temperature	235 - 250	°C	
NOTE			
1.	23°C		
2.	标准 B (120°C/h)		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

