

SABIC® PP 506P

Polypropylene Homopolymer

SABIC Americas, Inc.

Message:

Provisional - PP Homopolymer for Raffia applications
PP 506P is intended for producing low denier stretched tapes with following features.
Consistent processability
Good processability at high line speeds and low deniers
Low tapes shrinkage
Low water carry over
Very good mechanical properties
Typical Applications
PP 506P can be used for producing carpet backing, woven bags, cable fillers, geotextiles and concrete reinforcements.

General Information			
Features	Good Processability		
	Homopolymer		
	Low Shrinkage		
	Low Water Carryover		
Uses	Bags		
	Carpet Backing		
	Tape		
	Textile Applications		
Forms	Pellets		
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)	4.8	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	35.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	12	%	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)	32	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
Injection	Nominal Value	Unit	
Rear Temperature	235 to 250	°C	
Middle Temperature	235 to 250	°C	
Front Temperature	235 to 250	°C	
Processing (Melt) Temp	250 to 260	°C	
NOTE			
1.	23°C		
2.	Rate B (120°C/h)		

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