

SABIC® PP 504P

Polypropylene Homopolymer

SABIC Americas, Inc.

Message:

Provisional - PP Homopolymer for Raffia applications
PP 504P is specially developed for producing stretched tapes with following features.
Consistent processability
Easy orientation
Low water carry over
Good mechanical properties
Typical Applications
PP 504P can be used for producing woven bags, flexible intermediate bulk containers, ropes & twines, carpet backing, cable fillers and geotextiles.

General Information	
Features	Food Contact Acceptable
	Good Processability
	Homopolymer
	Low Water Carryover
Uses	Bags
	Carpet Backing
	Rope
	Tape
	Textile Applications
	Twine
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)	3.2	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)	12	%	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)	55	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	94.0	°C	ASTM D648
Vicat Softening Temperature	156	°C	ASTM D1525 ²
Injection	Nominal Value	Unit	
Rear Temperature	230 to 260	°C	
Middle Temperature	230 to 260	°C	
Front Temperature	230 to 260	°C	
NOTE			
1.	23°C		
2.	Rate B (120°C/h)		

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