

SABIC® PP 510P

Polypropylene Homopolymer
Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PP 510P is a fibre grade with an anti gas fading stabilisation package. This grade is suitable for e.g. wipes and industrial carpets. SABIC® PP 510P is suitable for spinning of coarse staple fibres, carpet fibres and yarns and geotextiles with moderate tenacity. The product mentioned herein is in particular not tested and therefore not validated for use in pharmaceutical/medical applications.

General Information	
UL YellowCard	E111275-306883
Additive	Anti-gas fading
Features	Gas-fading Resistant
	Homopolymer
	Medium Isotactic
	Wide Molecular Weight Distribution
Uses	Fibers
	Filaments
	Staple Fibers
	Tape
	Textile Applications
	Yarn
Forms	Pellets
Processing Method	Extrusion
	Fiber (Spinning) Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.905	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
1% Secant ¹	1750	MPa	ASTM D638
--	1700	MPa	ISO 527-2/1A/1
Tensile Strength			
Yield ²	36.0	MPa	ASTM D638
Yield	35.0	MPa	ISO 527-2/1A/50
Tensile Elongation			
Yield ³	11	%	ASTM D638
Yield	11	%	ISO 527-2/1A/50

NOTE

1.	1.0 mm/min
2.	50 mm/min
3.	50 mm/min

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