

SABIC® PP 510A

Polypropylene Homopolymer
Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PP 510A is a fibre grade with an anti gas fading stabilisation package. SABIC PP 510A is suitable for e.g. wipes and industrial carpets but also for geotextiles with a moderate tenacity.
SABIC® PP 510A is suitable for spinning of coarse staple fibres (both short and long spin), carpet fibres and yarns.
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	Course Weaving Yarn		
	Filaments		
	Staple Fibers		
	Tape		
	Textile Applications		
	Yarn		
UL File Number	E111275		
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)	11	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
1% Secant ¹	1800	MPa	ASTM D638
--	1700	MPa	ISO 527-2/1A/1
Tensile Strength			
Yield ²	36.0	MPa	ASTM D638
Yield	36.0	MPa	ISO 527-2/1A/50
Tensile Elongation			


Yield ³	9.0	%	ASTM D638
Yield	9.0	%	ISO 527-2/1A/50
NOTE			
1.	1.0 mm/min		
2.	50 mm/min		
3.	50 mm/min		

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