

Technical Data Sheet

S 3541a



nonwoven fabric

S 3541a is a binderless, mechanically solidified needle fleece material out of silica fibers, colour white.

Technical Data			
Type (S 3541a/...)		6-900	10-1500
Thickness (approximate)	[mm]	6.0 ± 1.5	10.0 ± 1.5
Weight (approximate)	[kg/m ²]	0.9 ± 0.11	1.5 ± 0.18
Density (approximate)	[kg/m ³]	150.0	
Thermal stability	[°C]	1100	
Heat conductivity (Density 115 kg/m ³)	[W/mK]	0.0551 (at 200 °C) 0.3689 (at 1000 °C)	
Vibration behaviour		resistant	
Physiological behaviour		harmless	
Toxicological behaviour		not dangerous	
Diameter of fibers	[µm]	> 6	
Combustibility		non-inflammable	

Main function: Heat insulation

Applications: Automotive industry, rail vehicle production, industrial furnaces, household appliances

Processing: Mechanical attachment
 Cut with scissors, knife etc.
 Processing temperature: 18 - 25 °C

Options: Self-adhesive for installation, lamination with aluminum foil, one-sided or two-sided needling of silica fabrics, other thicknesses and grades upon request

Storage conditions: Dry at temperatures between 18 - 25 °C
 Max storage time: unlimited

Delivery form: Rolls, other sizes and cut-to-size pieces upon request.

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