

dBcloth Melamine – Safe and Sound ST

dB Cloth Melamine ST is a specialized formulation of the dB Cloth Safe and Sound product family that has the highest sound absorption characteristics for a multipurpose use. In addition, the ST product meets the E84 Class A Flame/Smoke index requirement of 25/450.

Technical Data

	Standard	Units	Value
Color			Light Grey
Density	EN ISO 845	kg/m ³	9 +/- 1,5
Compressive Strength	EN ISO 3386-1	kPa	>9
Tensile Strength	ISO 1798	kPa	>120
Elongation at Break	ISO 1798	%	>18
Thermal Conductivity	DIN EN 12667	mW/mK	0.032-0.038
Max Application Temperature	DIN EN ISO 2578	1,000h °C [°F]	>200[392]
	DIN EN ISO 2578	5,000h °C [°F]	N/A
	DIN EN ISO 2578	20,000h °C [°F]	>150[302]
Flammability	UL94	Flame Spread Rating	V-0, HF-1
	ASTM E 84	Flame/Smoke Index	10/55
	ASTM E 662	Ds 4	70 flaming, 39 non flaming
	ASTM E 162	Flame spread index	1.1
	ASTM E 1354	HRR 180 s (kW/m2)	<0.01

Sound Absorption

