



Technical Data Sheet

smartMELAMINE®

Description

A thermoset melt-blown nonwoven made of melamine resin. The smartMELAMINE® nonwoven is an inherent flame-resistant material, that does not burn, shrink or melt and is thermally stable at continuous temperatures of up to 240°C. It boasts with high UV, chemical and organic solvent resistance. Due to the fine fibers achieved with the melt-blown technology, smartMELAMINE® offers outstanding thermal and acoustic insulation.

General product parameter range:

Colour:	white to yellow; carbon black
Fiber diameter:	1 µm - 15 µm
Area weight:	30 g/m ² - 700 g/m ²
Thickness:	0,5 mm - 20 mm
Material Width:	up to 2400 mm

Thermal conductivity: 0,029 W/mK (DIN 52612)

LOI: 32% (EN ISO 4589-2)

Heat of Combustion: 18 MJ/kg (EN ISO 1716)

Formaldehyde: Below detection limit (EN ISO 14184-1)

Fields of applications

The smartMELAMINE® nonwoven is applicable for a broad spectre of applications in numerous industries, such as mobility (car, train, bus, plane), technical textiles (protective clothing), filtration, construction, paper industry and various other industrial applications. Wherever there is a need for a high-temperature resistant or non-burning material, with exceptional thermal insulation, acoustic insulation and filtration properties, the smartMELAMINE® nonwoven is the material of choice.