



GENERAL DESCRIPTION

STORMLITE is a PVC Foam Sheet that, rated as self-extinguishing. Its main benefits are light weight, durable and versatile. STORMLITE is ideal for print media as well as boasting low sound and thermal conductivity.

MAIN BENEFITS

- : Light weight
- : Low water absorption
- : Indoor and outdoor use
- : Excellent sound and heat insulation properties
- : Self-extinguishing
- : Smooth Surface

TYPICAL APPLICATIONS

- : Exhibition boards and signs
- : Interior decorations and wall cladding
- : Displays
- : Letter cut
- : Screen printing
- : Digital printing

FLAMMABILITY

STORMLITE is a self-extinguishing hygiene sheet and complies with the most demanded international fire resistance standards defined in the field of plastics, as shown in the table below

Typical Physical Properties

PROPERTY	METHOD	UNIT	RESULT
Specific Gravity	ISO 1183	g/cm ³	0.5
Water Absorption	ISO 62	%	<1
Maximum Service Temperature Upper Temperature Limit	-	°C	60
Lower Temperature Limit	-	°C	0
Tensile Strength at Yield	ISO 527	MPa	>12
Elongated at Yield	ISO 527	%	-
Tensile Strength at Break	ISO 527	MPa	-
Elongated at Break	ISO 527	%	15
Impact Strength	ISO 179	kJ/m ²	12
Notch Impact Strength	ISO 179	kJ/m ²	-
Ball Indentation/Rockwell Hardness	ISO 2039-1	MPa	-
Shore-D	DIN 53505	-	>40
Flexural Strength	ISO 178	MPa	-
Modulus of Elasticity	ISO 527	MPa	>750
Vicat-Softening Point VST/B/50	ISO 306	°C	72
Heat Deflection Temperature HDT/B	ISO 75	°C	-
HDT/A	-	°C	-



Coefficient of Linear Thermal Expansion	DIN 53752	$k^{-1} \cdot 10^{-}$	0.75
Thermal Conductivity at 20°C	DIN 52612	W/(m*K)	0.08
Volume Resistivity	VDE 0303	-	-
Surface Resistivity	-	-	>5 x 10 ¹⁴
Dielectric Constant at 1MHz	-	-	-
Dielectric Loss Factor at 1MHz	DIN 53483	-	-
Dielectric Strength	VDE 0303	kV/mm	13
Tracking Resistance	IEC 60112	-	-
Bondability	-	-	-
Food Compliance	FDA	-	-
Flammability	UL 94	-	V-0

FREQUENTLY ASKED QUESTIONS

What is the STORMlite?

STORMlite is a foam celuka PVC sheet with fire retardant, cost effective wall cladding and also has a UV stable matt finish.

What is STORMlite used for?

STORMlite is used for wall cladding where hygienic properties aren't necessary.

What is the best thing for STORMlite?

STORMlite is UV stabilized so therefore can be installed/used externally, easy to cut and be installed.

Why would end users use STORMlite instead of competitors?

They would use the STORMlite sheet because of its UV properties and availability,

Who are the type of customer that commonly use STORMlite? (which industries/sectors/job types)

Building contractors, home improvements, decorators, builders merchants and DIY would most commonly use STORMlite.

Where is STORMlite most commonly installed?

STORMlite is most commonly installed in poultry pens, dairy sheds, schools, store rooms and work spaces.

When should STORMlite be considered? When should it be installed?

STORMlite can be installed anytime due to its ease of installation and can be over fitted to any wall/surface.