



# PRODUCT DATA SHEET

## WALL AND CEILING CLADDING



### STORMLITE

#### ABOUT STORMLITE

STORMLITE is a PVC Foam Sheet that is rated as self-extinguishing. Its main benefits are that it's lightweight, durable and versatile. As well as boasting low sound and thermal conductivity, STORMLITE is ideal for print media applications.

#### 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 <sup>3</sup>	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 <sup>2</sup>	12
Notch Impact Strength	ISO 179	kJ/m <sup>2</sup>	-
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





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#### TYPICAL PHYSICAL PROPERTIES CONTINUED

PROPERTY	METHOD	UNIT	RESULT
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	$k^{-1}10^{-6}$	0.75
Thermal Conductivity at 20°C	DIN 52612	W/(m*K)	0.08
Volume Resistivity	VDE 0303	-	-
Surface Resistivity	-	-	$> 5 \times 10^{14}$
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-O

#### IMPORTANT NOTICE

Data contained in this document is for information only and is believed to be reliable. Southgate Plastics Ltd cannot assume responsibility for results obtained by others over whose methods we have no control. It is the user's responsibility to determine the suitability of the product for any specific purpose. We are pleased to provide a sample upon request.

Before using this product, ensure that you have been supplied with and have read the following information: the hazard label (complying with the latest CDG/CPL regulations) applied to the container and Material Safety Data Sheets, Part A and Part B.

