

TECHNICAL DATA SHEET - HD PET ACOUSTIC PANEL 9mm

Panel Properties

Material	100% Polyester fiber
Color	60 Colors
Recycled material content	60 to 70 %

Physical Properties

Nominal thickness	9 mm (± 0.5 mm)
Nominal weight	5.6 kg
Dimensions (nominal)	1220 mm x 2800 mm (± 5 mm)
Density range	1650 GSM g/m ² (± 10 %)

Acoustic Properties:

	Test Method	Result value
Noise reduction coefficient (NRC)	ASTM C 423/ISO 354	upto 0.65
Weighted sound absorption coefficient	ASTM C 423/ISO 354	upto 0.55 [α_w]
Sound absorption class	ASTM C 423/ISO 354	D

Fire Properties

	Test Method	Result value
Surface spread of flame	BS 476 PART 7	Class 1
Fire propagation (Index of performance)	BS 476 PART 6	Passes
Ignition characteristic	ASTM D 2859	Passes
Smoldering cigarette ignition source-fire test	BS 5852:PART 1	Passes

Environment & Health Aspects :

	Certification	Result value
Release formaldehyde	ISO 14184-2	Not detected
Recyclable Post-Consumer Polyester	GRS	100 % Recyclable
*Quality management system	ISO 9001	
*Environmental management system	ISO 14001	
*Occupational health and safety management systems	ISO 45001	

Thermal Properties

Thermal conductivity	ASTM C 518	upto 0.05 [W/mK]
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Antifungal Test

Resistance to fungal growth	ASTM G 21	Passes
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Customised colors and sizes available on request, subject to MOQ

* Certification is in process

TECHNICAL DATA SHEET - HD PET ACOUSTIC PANEL 12mm

Panel Properties

Material	100% Polyester fiber
Color	60 Colors
Recycled material content	60 to 70 %

Physical Properties

Nominal thickness	12 mm (± 0.5 mm)
Nominal weight	8.2 kg
Dimensions (nominal)	2800 mm x 1220 mm (± 5 mm)
Density range	2400 GSM g/m ² ($\pm 10\%$)

Acoustic Properties:

	Test Method	Result value
Noise reduction coefficient (NRC)	ASTM C 423/ISO 354	upto 0.7
Weighted sound absorption coefficient	ASTM C 423/ISO 354	upto 0.6 [aw]
Sound absorption class	ASTM C 423/ISO 354	C
Sound transmission loss	ASTM E 90/ISO10140-2	upto 14 [dB]

Fire Properties

	Test Method	Result value
Surface burning characteristics	ASTM E 84	Class A
Surface spread of flame	BS 476 PART 7	Class 1
Fire propagation (Index of performance)	BS 476 PART 6	Passes
Ignition characteristic	ASTM D 2859	Passes
Smoldering cigarette ignition source-fire test	BS 5852:PART 1	Passes

Environment & Health Aspects :

	Certification	Result value
Release formaldehyde	ISO 14184-2	Not detected
Recyclable Post-Consumer Polyester	GRS	100 % Recyclable
*Quality management system	ISO 9001	
*Environmental management system	ISO 14001	
*Occupational health and safety management systems	ISO 45001	

Thermal Properties

Thermal conductivity	ASTM C 518	upto 0.05 [W/mK]
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Antifungal Test

Resistance to fungal growth	ASTM G 21	Passes
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TECHNICAL DATA SHEET - HD PET ACOUSTIC PANEL 25mm

Panel Properties

Material	100% Polyester fiber
Color	60 Colors
Recycled material content	60 to 70 %

Physical Properties

Nominal thickness	25 mm ($\pm 5\%$)
Nominal weight	12.3 kg
Dimensions (nominal)	2800 mm x 1220 mm (± 5 mm)
Density range	3600 GSM g/m ² ($\pm 10\%$)

Acoustic Properties

	Test Method	Result value
Noise reduction coefficient (NRC)	ASTM C 423/ISO 354	upto 0.9
Weighted sound absorption coefficient	ASTM C 423/ISO 354	upto 0.8 [α_w]
Sound absorption class	ASTM C 423/ISO 354	upto B
Sound transmission loss	ASTM E 90/ISO10140-2	upto 17 [dB]

Fire Properties

	Test Method	Result value
Surface burning characteristics	ASTM E 84	Class A
Surface spread of flame	BS 476 PART 7	Class 1
Fire propagation (Index of performance)	BS 476 PART 6	Passes
Ignition characteristic	ASTM D 2859	Passes
Smoldering cigarette ignition source-fire test	BS 5852:PART 1	Passes

Environment & Health Aspects

	Certification	Result value
Release formaldehyde	ISO 14184-2	Not detected
Recyclable Post-Consumer Polyester	GRS	100 % Recyclable
*Quality management system	ISO 9001	
*Environmental management system	ISO 14001	
*Occupational health and safety management systems	ISO 45001	

Thermal Properties

Thermal conductivity	ASTM C 518	upto 0.05 [W/mK]
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Antifungal Test

Resistance to fungal growth	ASTM G 21	Passes
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