

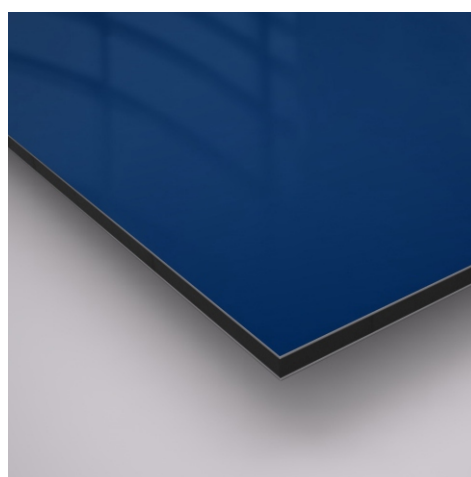
Technical data

CODE:**PRODUCT:**

ACPas 0,5 x 4 mm (FR)

NOTE:

TECHNICAL DATA

IMAGE:**LAST UPDATE:**

1/2023



CATEGORY

BOARD MATERIALS

ALUMINIUM COMPOSITE PANEL

ACPas 0,5 x 4 mm (FR)

Properties	Standard	Unit	Value
SHEET MATERIAL ALLOY	-	-	EN AW 3105 H46
ALUMINIUM SHEET THICKNESS	-	mm	0,50 (± 0,02 mm)
CORE THICKNESS	-	mm	3
TOP SHEET COAT	-	-	PVDF (20+5 µm)*
BOTTOM SHEET COAT	-	-	EP Polyester
METER UNIT WEIGHT	-	kg/m ²	8
DENSITY	-	g/cm ³	1,83
MIN. PEELING STRENGTH	-	N/ 25 mm	175
BENDING RESISTANCE	-	N/ 25 mm ²	100
CORROSION RESISTANCE	EN 13523-8	Saat / Hours	1000
SOUND ABSORPTION COEFFICIENT	ASTM C423	NRC	0,05
SOUND CONDUCTION COEFFICIENT	ISO 717-1	dB	28
THERMAL CONDUCTION COEFFICIENT	EN 12664	λ	0,682
YOUNG MODULUS	EN 6892-1	Gpa	70
MIN. YIELD STRESS	EN 455-2	Mpa	150
MIN. TENSILE STRESS	EN 455-2	Mpa	175-225
MIN. ENLOGATION	EN 455-2	%A50	3%
HEAT RESISTANCE	-	°C	-20/+70

Flammability class

PRODUCT	CORE MATERIAL	FLAMMABILITY CLASS (DIN 4102/TS EN 13501-1)
ACPas 4 mm	LDPE + Mg(OH) ₃	B1 (FR) / B-s1, d0

Production tolerances

PROPERTIES	VALUE
COMPOSITE PANEL THICKNESS TOLERANCE	± 0,2 mm
COMPOSITE PANEL WIDTH TOLERANCE	-0 mm / +2,0 mm
COMPOSITE PANEL LENGTH TOLERANCE	-0 mm / +4,0 mm
DIAGONAL DIFFERENCE	max. 3,0 mm
LINEARITY (WIDTH AND LENGTH)	± 0,2 mm
COEFFICIENT OF EXPANSION	0,0247 mm/m × °C