



EUROPLEX®
Solid Sheet

EUROPLEX® PPSU sheet

Polyphenylsulfone sheet for aircraft applications

EUROPLEX® PPSU is a flame-retardant sheet material based on polyphenylsulfone (PPSU). It shows excellent mechanical properties as well as good chemical resistance. The sheet meets the fire standard requirements for many applications in public transport including the OSU 65/65 heat release requirements for large interior parts in passenger aircraft.

EUROPLEX® PPSU 99460 H opaque grey

The standard surface texture of the opaque PPSU sheet is the H (haircell) texture. The sheet receives an excellent rating in the OSU (Ohio State University) fire test, with test values clearly below the prescribed 65/65. Typical applications are door frames, interior ceiling panels, panels for partitions, galleys, cargo compartments, etc.

Requirements & approvals

Method	EUROPLEX® PPSU 99460 H opaque
FAR 25.853 (a) (1) (i) AITM 2.0002; 60 s vertical burn	pass
FAR 25.853 (a) (1) (ii) AITM 2.0002; 12 s vertical burn	pass
FAR 28.853 (c) AITM 2.0006 OSU Heat release 65/65	pass
FAR 25.853 (c) AITM 2.0007 Smoke density	pass
AITM 3.0005; Toxicity	pass
UL 94 Flammability rating	VO





Physical properties

Property	Test method	Unit	EUROPLEX® PSU 99460 H opaque
Density	ISO1183	g/cm ³	1.4
Vicat	ISO 306	°C	223
Max. service temp.		°C	195
Tensile strength	ISO 527	MPa	65
Tensile elongation	ISO 527	%	50
Modulus of elasticity	ISO 527	MPa	2,600
CHARPY impact strength	ISO 179	KJ/m ²	no break
Transmittance at 4.0 mm	ISO 13468-1	%	
Abrasion Taber CF-10F, 500 g	ISO 9352	% Haze	

Sales range

Grade	Thickness mm	Width mm	Length mm	Color
EUROPLEX® 99460 H	1.0 – 3.0	1,400/1,250	up to 6,000	grey opaque

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® = registered trademark

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Certified to DIN EN ISO 9001 (Quality) and DIN EN ISO 14001 (Environment)

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