



EUROPLEX® PPSU dark grey 99496 H Aircraft Interior Application

Product

EUROPLEX® PPSU 99496 H is a dark grey colored sheet material based on polyphenylsulfone (PPSU). The sheet is manufactured with a matte texture (hair cell) on one side.

Properties

EUROPLEX® PPSU 99496 H shows excellent flame retardant properties and meets the fire safety standards for aircraft interior applications.

- FAR 25.853 (a) (1) (i) / AITM 2.0002; 60 second vertical burn
- FAR 25.853 (a) (1) (ii) / AITM 2.0002; 12 second vertical burn
- FAR 25.853 (c) / AITM 2.0007; Smoke density
- AITM 3.0005; Toxicity
- FAR 25.853 (c) / AITM 2.0006; OSU Heat release (55/55)

EUROPLEX® PPSU 99496 H offers high chemical resistance as well as good mechanical properties.

Applications

It is ideally suitable for vacuum deep drawing and can be used to thermoform large parts for aircraft interior application.

Processing

Technical Manual EUROPLEX® Thermoforming and Fabrication Guide

Product range

EUROPLEX® PPSU dark grey 99496 H is available in the following dimensions:

Dimensions	Thicknesses
1400 mm x 2675 mm	1,0 mm to 3,0 mm

Technical data

Property	Unit	Typical Value
Density ISO 1183	g/cm ³	1,4
Modulus of elasticity ISO 527-2	MPa	2300
Yield stress ISO 527-2	MPa	65
Tensile strain at break ISO 527-2	%	60
Vicat ISO 306	°C	220
Max. service temperature	°C	195



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