

EUROPLEX® Sheet PPSU 99460

Polyphenylsulfone
Evonik Industries AG

Message:

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 series 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 sheets are available in transparent and opaquely colors.

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.

General Information			
Features	Flame Retardant		
	Good Chemical Resistance		
Uses	Aircraft Applications		
	Ceiling Panels		
Agency Ratings	FAA FAR 25.853a (1)(i)		
	FAA FAR 25.853a (1)(ii)		
	FAA FAR 25.853c		
	OSU 65/65		
Appearance	Clear/Transparent		
	Colors Available		
	Opaque		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ISO 527-2
Tensile Stress	65.0	MPa	ISO 527-2
Tensile Strain (Break)	50	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	223	°C	ISO 306
Maximum Service Temperature	195	°C	
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94

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