## EUROPLEX® Sheet PPSU 99470 Transparent

## 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 99470/99472 transparent low color tinted

EUROPLEX® PPSU 99470/99472 is a low color tinted, transparent sheet grade of PPSU, which was developed specifically for aircraft interior applications. The sheet offers low heat release, low smoke generation, and low toxic gas emissions, thereby complying with the FAA/JAA regulation 14CFR Part 25.853 Appendix F. The sheet is available in different transparent (grey/brown/blue tinted) colors. Custom color matching can also provided. EUROPLEX® PPSU 99470/99472 is ideally suited for a wide range of applications such as galley doors, stair case windows, shower doors, bar racks, cabin dividers, picture covers, large safety windows, etc.

General Information				
Features	Flame Retardant			
	Good Chemical Resistance			
	Low Smoke Emission			
Uses	Aircraft Applications			
Agency Ratings	FAA 14 CFR Part 25.853 App F			
	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	1.29	g/cm³	ISO 1183	
Mechanical	Nominal Value	Unit	Test Method	
Tensile Modulus	2300	МРа	ISO 527-2	
Tensile Stress	70.0	MPa	ISO 527-2	
Tensile Strain (Break)	60 to 80	%	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
Optical	Nominal Value	Unit	Test Method
Transmittance (4000 μm)	45.0	%	ISO 13468-1

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Recommended distributors for this material

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