

# EUROPLEX® Sheet PPSU 99470 KR Coating

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 opaque colors.

EUROPLEX® PPSU 99470 KR/DF transparent with functional coating

The EUROPLEX® PPSU transparent sheet grades can be provided with a functional coating. Different systems can be applied, such as high-scratch resistance (KR) or white light-scattering coating (DF). Functional coating for EUROPLEX® PPSU transparent sheet provide hardness, nonglare light-scattering surfaces combined with improved climatic resistance.

General Information			
Features	Good chemical resistance		
	Flame retardancy		
Uses	Aircraft applications		
Agency Ratings	FAA FAR 25.853a (1)(i)		
	FAA FAR 25.853a (1)(ii)		
	FAA FAR 25.853c		
	OSU 65/65		
Appearance	Opacity		
	Available colors		
	Clear/transparent		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ISO 527-2
Tensile Stress	70.0	MPa	ISO 527-2
Tensile Strain (Break)	60 - 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)	42.0	%	ISO 13468-1

#### Additional Information

Abrasion Taber CF-10F, 500g : <2% Change in Haze (ISO 9352)

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#### Recommended distributors for this material

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