

EUROPLEX® Sheet F6

Polycarbonate
Evonik Industries AG

Message:

EUROPLEX® F3, F7, and F6 are flame-retardant grades of polycarbonate sheet (PC) whose flame-retardant properties have been further improved beyond those of standard polycarbonate sheet. The EUROPLEX® F series meets the fire standard requirements for many applications in public transportation and also offers excellent impact resistance and strength. It is easy to fabricate and can be formed into complex shapes using standard thermoforming equipment.

EUROPLEX® F6

EUROPLEX® F6 is a translucent white polycarbonate sheet with a light transmittance of 44% (3.0 mm). The material was specially developed and is used for lighting covers in aircraft, buses, and rail cars.

General Information			
Features	Flame Retardant		
	High Impact Resistance		
	High Strength		
Uses	Aircraft Applications		
	Lighting Applications		
Agency Ratings	FAA FAR 25.853a (1)(i) 2		
	FAA FAR 25.853a (1)(ii)		
	FAA FAR 25.853c		
Appearance	Translucent		
Forms	Sheet		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2100	MPa	ISO 527-2
Tensile Stress	60.0	MPa	ISO 527-2
Tensile Strain (Break)	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	145	°C	ISO 306
Maximum Service Temperature	115	°C	
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	V-0		UL 94

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any

infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

