

TECHNICAL DATA SHEET

Flame Retardant Polycarbonate Sheet

ProductName & No: **FR3000**



Product Description

PolyLine FR3000 is a transparent, UV stabilized PC sheet with especially low smoke emissions intended for interior applications. It is used for dust covers, lighting covers, emergency lighting systems and other similar applications in aircraft, and is ideally suited wherever lightweight, transparent and flame-retardant materials are required.

Product Datasheet

Physical Properties

Property	Typical Value	Unit	Test Method
Density	1.2	g/cm ³	ISO 1183
Vicat	145	°C	ISO 306
Max. Service Temperature	115	°C	-
Tensile Strength	60	MPa	ISO 527
Tensile Elongation	80	%	ISO 527
Modulus of Elasticity	2,100	MPa	ISO 527
Charpy Impact Strength	No Failure	KJ/m ²	ISO 179

Aviation Requirements and Approvals

Requirement	
FAR 25.853 (a) (1) (i); AITM 2.0002; 60 s Vertical Burn	Pass
FAR 25.853 (a) (1) (ii); AITM 2.0002; 12 s Vertical Burn	Pass
FAR 25.853 (c); AITM 2.0007; Smoke Density	Pass
AITM 3.0005; Toxicity	Pass
UL 94 Flammability Rating	V0

Sales Range

Thickness (mm)	Width (mm)	Length (mm)	Texture, Surface
1.5 - 5.0	1,250 or 1,400	up to 6,000	Smooth or Prismatic