

TECHNICAL DATA SHEET

Flame Retardant Polycarbonate Sheet

ProductName & No: **FR7000**



Product Description

PolyLine FR7000 is a series of opaque PC sheets available in over 100 different colors; virtually any custom color can be provided upon request. The sheets are manufactured with a matte texture (hair cell) on one side and are ideally suited for a wide range of applications such as interior panels, seat shells, and other components in public transport, computer housing, electronic and electrical equipment, as well as seat lining, tables, trays and carts in aircraft.

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
0.8 - 4.0	1,250 or 1,400	up to 6,000	Hair Cell H