

EUROPLEX® Sheet F10

Polycarbonate
Evonik Industries AG

Message:

EUROPLEX® F10 is based on a polycarbonate blend. The sheet meets the regulations for fire behavior of materials in the aircraft cabin including OSU heat release requirement. It is ideally suitable for vacuum deep-drawing and can be used to thermoform parts for aircraft seats, tables, trays, wall covers and other components in the cabin. EUROPLEX® F10 is made to customer needs in several colors and with a mat texture (hair cell) on one side.

General Information	
Uses	Aircraft Applications
	Seats
	Table Products
Agency Ratings	FAA FAR 25.853a (1)(i)
	FAA FAR 25.853a (1)(ii)
	FAA FAR 25.853c
Appearance	Colors Available
	Matte Finish
Forms	Sheet
Processing Method	Thermoforming
	Vacuum Forming

Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3100	MPa	ISO 527-2
Tensile Stress (Yield)	45.0	MPa	ISO 527-2
Tensile Strain (Break)	12	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	15	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break		ISO 179/1fU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	130	°C	ISO 306
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, Tested by Evonik)	V-0		UL 94

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