

DEVELOPMENTAL DURACOTE COVERING FILMS

Duracote Developmental Covering Films are a series of specially engineered laminates intended for high-performance aerospace insulation blankets. They feature a unique adhesive system developed by Duracote and may be considered for applications requiring PEEK or PVF films.

Duracote Developmental Covering Films are REACH compliant and are flame resistant to FAR25.856(a).

FEATURE	BENEFIT
LIGHTWEIGHT	Increased fuel economy. Increased range and payload.
DURABLE	Tear and puncture resistant. Easier to install. Reduced scrap and repair.
FIRE-RESISTANT	Outstanding radiant panel performance. Passenger safety.
MATERIAL SELECTION	Extremely low Smoke and Toxicity.
SPECIALLY DEVELOPED ADHESIVE	Durability. Production efficiency. Ease of use with reduced scrap.

TYPICAL PHYSICAL PROPERTIES

	70A008 / 70A068*		70A070 / 70A062 / 70A072*		70A064	
	Standard Covering Film		High Stress Covering Film		Light Weight Covering Film	
	Metric	Imperial	Metric	Imperial	Metric	Imperial
Mass per Unit Area	< 35 g/m ²	< 1.03 oz/yd ²	< 70 g/m ²	2.06 oz/yd ²	< 26 g/m ²	< 0.76 oz/yd ²
Tensile Strength AIMS04-18-000	> 40 N/25mm	> 9 lbs/in	> 130 N/25mm	> 29 lbs/in	> 40 N/25mm	> 9 lbs/in
Tear Resistance AIMS04-18-000	> 15 N	> 3 lbs	> 25 N	> 6 lbs	> 15 N	> 3 lbs
Penetration Strength AIMS04-18-000	---	---	---	---	---	---
5 mm	> 15 N	> 3 lbs	> 45 N	> 10 lbs	> 15 N	> 3 lbs
10 mm	> 30 N	> 7 lbs	> 100 N	> 22 lbs	> 30 N	> 7 lbs
20 mm	> 65 N	> 15 lbs	> 180 N	> 40 lbs	> 65 N	> 15 lbs
Radiant Panel FAR25.856(a)	---	---	---	---	---	---
Flame Propagation	< 51 mm	< 2 in	< 51 mm	< 2 in	< 51 mm	< 2 in
After Flame	< 3 seconds		< 3 seconds		< 3 seconds	
Smoke Density ABD0031	Pass		Pass		Pass	

*Indicates covering film made with ECTFE while the others are made with PEEK.

The information contained in this technical data bulletin is believed to be true and accurate. The typical physical properties are from historical testing and should not be considered a specification. This information is to be used only as a guide. It is the responsibility of the end user to determine the suitability of our products for each specific application.

08.29.16 DH