



ORCON AEROSPACE

Orcofilm® AN-54W Insulation Covering Film

ORCOFILM® AN-54W is a heat-sealable metallized polyvinyl fluoride film reinforced on one side with nylon yarns. **ORCOFILM® AN-54W** is a strong, durable insulation covering film used in fabrication of thermal/acoustic aircraft insulation blankets. This film meets the NASA-KSC requirements for plastic films for spacecraft packaging and other spacecraft ground handling needs.

FILM SPECIFICATIONS

PROPERTIES	TEST METHOD	SPECIFICATION
COLOR		Dull Gray
WEIGHT	Fed Std 191, Method 5041	1.4 oz/sq yd, max 47 g/sq m, max
PERMEANCE	ASTM E96A (24 hours)	1 English perm, max (gr/sq.ft/hr/in Hg)
HEAT SEALABILITY	Fed Std 191, Method 5950; ASTM D 1876 Thermal Impulse: Warp, Fill and Bias	3.0 lbs/inch, min
	Ultrasonic: Warp and Fill Bias	2.5 lbs/inch, min 2.0 lbs/inch, min
FLAMMABILITY FILM ONLY	DMS 1511; BSS 7357; BSS 7230; FAR Part 25 App. F Part I: Vertical Burn test (12 secs)	Pass
FLAMMABILITY, RADIANT PANEL TEST	FAR Part 25 App. F Part VI	Pass
SPECIFICATIONS	FAR 25.853, FAR 25.855, FAR 25.856 (a); DMS 2450C Type 2; BMS8-377 Type 1 and 2, Class 1; BMS8-360 Type 1 and 2, Class 1; NASA-KSC KTI-5212 Group 2, Subgroup A	
PACKAGING	Standard roll lengths	350 yards (320 m) and 50 yards (45.7 m)
	Standard width	52" ± 1" (1320 mm ± 25 mm)

FABRICATION AND REPAIR METHODS

METHOD	RECOMMENDATIONS
HEAT SEALING	Can be heat sealed yarn-side to yarn-side by impulse, ultrasonic and hand iron methods. Heat setting: 300°F - 350°F (150°C - 175°C)
TAPING	Orcotape® OT-16A, Orcotape® OT-157T are recommended for sealing, local reinforcement and repairs.

SAMPLE APPLICATIONS

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