



# ORCON AEROSPACE

Aerospace Division

## Orcofilm® KN-201 Insulation Covering Film

**ORCOFILM® KN-201** is a heat-sealable polyimide film reinforced on one side with nylon yarns. **ORCOFILM® KN-201** is a strong, durable insulation covering film used in fabrication of thermal/acoustic aircraft insulation blankets. Can be used in areas with operating temperatures up to 300°F (150°C).

### FILM SPECIFICATIONS

PROPERTIES	TEST METHOD	SPECIFICATION
<b>COLOR</b>		Amber, Gloss Finish
<b>WEIGHT</b>	Fed Std 191, Method 5041	1.4 oz/sq yd, max 47 g/sq m, max
<b>PERMEANCE</b>	ASTM E96A (24 hours)	3.5 English perm, max (gr/sq.ft/hr/in Hg)
<b>TEAR STRENGTH</b>	Fed Std 191, Method 5134	3.0 lbs, min
<b>BURST STRENGTH</b>	Fed Std 191, Method 5122 Mullen Type LC	55 psi, min
<b>HEAT SEALABILITY</b>	Fed Std 191, Method 5950; DMS 2450C, DPS 3.070 Thermal Impulse: Warp and Fill  Ultrasonic: Warp and Fill	3.0 lbs/inch, min  2.5 lbs/inch, min
<b>FLAMMABILITY FILM ONLY</b>	DMS 1511; BSS 7357; BSS 7230; FAR Part 25 App. F Part I: Vertical Burn test (12 secs)	Pass
<b>FLAMMABILITY, RADIANT PANEL TEST</b>	FAR Part 25 App. F Part VI	Pass
<b>SPECIFICATIONS</b>	FAR 25.853, FAR 25.855, FAR 25.856 (a); DMS 2450C Type 3	
<b>PACKAGING</b>	Standard roll lengths Standard width	350 yards (320 m) and 50 yards (45.7 m) 52" ± 1" (1320 mm ± 25 mm)

### FABRICATION AND REPAIR METHODS

METHOD	RECOMMENDATIONS
<b>HEAT SEALING</b>	Can be heat sealed yarn-side to yarn-side by impulse, ultrasonic and hand iron methods. Heat setting: 375°F - 400°F (190°C - 205°C)

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