



ULTRACORE DIVISION
Bakersfield, California

ULTRACORE AIRCRAFT INSULATION UAI-1030WR

APPLICATION

UAI-1030WR grade insulations are ultra light weight thermal acoustic AA fiber glass battings for use in the aircraft and aerospace industries.

DESCRIPTION

The UAI premium battings are manufactured to provide weight savings without sacrificing thermal acoustic performance. The thermoset phenolic binder system imparts excellent water repellency and flame and punking resistance.

ROLL SPECIFICATIONS

Width (inches): Maximum 72 (Tolerance +/- 0.25)
Length (feet): Standard 100 (0.34 lbs./ft³ 50 ft.)
Core: Cardboard with 2 inch ID

PERFORMANCE

Water repellent
Flame and punking resistant
Low smoke density and toxicity
Non-corrosive
Good dimensional stability and strength
Vibration damage resistant
Fungal growth resistant
Non-wicking

| AVAILABILITY | | | |
|---|-------------------|-------|---|
| DENSITY lbs / ft ³ | THICKNESS inch | COLOR | SPECIFICATIONS AND COMPLIANCES |
| 0.34 | 1.00 | GRAY | BMS 8-48, DMS 2385, ASTM C800, FAR 25.853 |
| 0.50 | 1.00 | GRAY | BMS 8-48, ASTM C800, FAR 25.853 |
| 1.20 | 0.38 | GRAY | BMS 8-48, ASTM C800, FAR 25.853 |
| OTHER THICKNESSES, COLORS AND SPECIFICATIONS ARE AVAILABLE UPON REQUEST | | | |

| THERMAL CONDUCTIVITY – ASTM C518 | | | | | | | | |
|----------------------------------|---------------------------------|-------------------|--|-------|--------|--------|--------|--------|
| PRODUCT | DENSITY lb / ft ³ | THICKNESS inch | MEAN TEMPERATURE (btu-in)/(°F-hr-ft ²) | | | | | |
| | | | 50 °F | 75 °F | 100 °F | 200 °F | 300 °F | 400 °F |
| UAI 1030WR | 0.34 | 1.00 | 0.25 | 0.27 | 0.29 | 0.37 | 0.49 | 0.64 |
| UAI 1030WR | 0.50 | 1.00 | 0.22 | 0.24 | 0.26 | 0.35 | 0.44 | 0.56 |
| UAI 1030WR | 1.20 | 0.38 | 0.20 | 0.21 | 0.22 | 0.26 | 0.31 | 0.37 |

| TRANSMISSION LOSS – ASTM E90 | | | | | | |
|--|---------------------------------|-------------------|-----------------------------------|---------|---------|---------|
| PRODUCT | DENSITY lb / ft ³ | THICKNESS inch | THICKNESS AS TESTED inch | dB LOSS | | |
| | | | | 1000 Hz | 2000 Hz | 4000 Hz |
| UAI 1030WR | 0.34 | 1.00 | 3* x 1.00 | 9.3 | 18.4 | 27.7 |
| UAI 1030WR | 0.50 | 1.00 | 3* x 1.00 | 12.6 | 25.0 | 38.3 |
| UAI 1030WR | 1.20 | 0.38 | 3* x 0.38 | 9.8 | 19.0 | 25.7 |
| *BOEING BMS 8-48 SPECIFIES THREE LAYERS TO BE INSTALLED IN FRAME FOR TESTING | | | | | | |

Web Site: www.upf-usa.com

Customer Service: upfcustomersvc@upf-usa.com