

FLAMMABILITY MATERIAL TEST CERTIFICATE

Bunsen Burner Test Data Sheet

Test Lab: FLAME-TEK

Authorization: N/A

PART NUMBER:

GF424E-QUAD

Batch/Lot#:

Ref. Build Record

Aircraft Model:

N/A

PO#:

10614

Test Specimen #

01

MANUFACTURER:

Gigaflight

THICKNESS:

.155"

Material:

Cable

DIRECTION:

N/A

MATERIAL DESCRIPTION: See Table 01

Conditioning Hrs. 24

TEST METHOD FAR 25.853

Pass/Fail Criteria (Max Average)

| Appendix F | IGNITION TIME - MATERIAL TEST POSITION | FEDERAL AVIATION REGULATION | EXTINGUISH TIME | BURN LENGTH | DRIP EXTINGUISH | BURN RATE AVG. | FLAME PENETRATION | AFTER GLOW |
|-------------------|--|-----------------------------|-----------------|-------------|-----------------|----------------|-------------------|--------------|
| Part 1 (a)(1)(i) | 1. 60 SECOND IGNITION - VERTICAL | FAR 25.853(a) | 15 SEC (AVG) | 6 IN. (AVG) | 3 SEC (AVG) | | | |
| Part 1 (a)(1)(ii) | 2. 12 SECOND IGNITION - VERTICAL | FAR 25.853(a) | 15 SEC (AVG) | 8 IN. (AVG) | 5 SEC (AVG) | | | |
| Part 1 (a)(1)(iv) | 3. 15 SECOND IGNITION - HORIZONTAL | FAR 25.853(a) | | | | 2.5 IN. MIN | | |
| Part 1 (a)(1)(v) | 4. 15 SECOND IGNITION - HORIZONTAL | FAR 25.853(a) | | | | 4 IN. MIN | | |
| Part 1 (a)(2)(ii) | 5. 30 SECOND IGNITION - 45 DEGREE | FAR 25.853(a) | 15 SEC (AVG) | | | | NONE | 10 SEC (AVG) |
| Part 1 (a)(3) | 6. 30 SECOND IGNITION - 60 DEGREE | FAR 25.853(a) | 30 SEC (AVG) | 3 IN. (AVG) | 3 SEC (AVG) | | | |

TEST RESULTS

| SAMPLE NO. | TEST METHOD | EXTINGUISH TIME (SECS) | BURN LENGTH (INCHES) | DRIP EXTINGUISH TIME (SEC) | BURN TIME (SEC) | BURN RATE (IN/MIN) | AFTER GLOW (SECS) | Comment: |
|----------------|---------------|------------------------|----------------------|----------------------------|-----------------|--------------------|-------------------|----------|
| 1 | Part 1 (a)(3) | 0 | .7 | 0 | 30 | | | |
| 2 | Part 1 (a)(3) | 0 | .6 | 0 | 30 | | | |
| 3 | Part 1 (a)(3) | 0 | .8 | 0 | 30 | | | |
| Average | | 0 | .70 | 0 | | | | |

Test Date: 04-19-23

Witnessed by: Brad Shelton FAA DER 

Flame Temp: 1750 °F

Test Time: 10:35 A.M.

PASS

FAIL

| Document | REV | DATE |
|----------|-----|----------|
| FT.FR.01 | NC | 06-13-13 |