



LOW PRINT

478

AUDIO

**LOW PRINT AUDIO
MASTERING TAPE**

DESIGNED FOR RECORDING
APPLICATIONS WHERE LOW
PRINT-THROUGH IS REQUIRED

PRODUCT OVERVIEW

Led by our commitment to consistency of performance, the manufacturing of Quantegy mastering tape is carefully controlled to maintain tight tolerances at 118 steps in the manufacturing process. Our “continuous flow” production system eliminates batch variations. Quantegy’s 478 mastering tapes offer the lowest print-through specifications, along with an extremely wide dynamic range.

PRODUCT FEATURES

- Reel-to-Reel consistency
- Outstanding electrical performance
- Extremely low print
- High maximum output level (M.O.L.)
- Low bias noise



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478 TECHNICAL DATA

Magnetic Properties

Coercivity 370 Oe (29.5 kA/m)
Retentivity 1400 Gs (140 mT)

Physical Properties

Standard Widths:
1/4" 0.247" (6.3 mm)
1/2" 0.496" (12.6 mm)
Nominal Thickness:
Base Film 1400 μ " (35.4 μ m)
Oxide Coating 600 μ " (15.2 μ m)
Backcoating 60 μ " (0.8 μ m)
Total 2060 μ " (52.2 μ m)

Performance Properties

Sensitivity at 1 KHz 0.0 dB
Sensitivity at 10 KHz 0.0 dB
Third Harmonic Distortion at
Reference Level (1 KHz) 0.28 %
Output Level at 3%
Third Harmonic Distortion (1 KHz) 11.6 dB
Modulation Noise Ratio -71.0 dB
Print-through -60.0 dB

478 CONFIGURATIONS

| Catalog Number | Description | Reel Size | | Tape Length | | Carton Weight | | Carton Quantity |
|----------------|---|------------|------------|-------------|--------|---------------|-------|-----------------|
| | | Inches | mms | Feet | Meters | Lbs | Kgs | |
| 478-13111C | .25" x 600', 5" plastic reel, setup box | .25 x 5 | 6.25 x 130 | 600 | 183 | 15.9 | 7.19 | 40 |
| 478-15111C | .25" x 1200', 7" plastic reel, setup box | .25 x 7 | 6.25 x 180 | 1200 | 366 | 17.7 | 8.02 | 20 |
| 478-17311C | .25" x 2500', 10.5" NAB reel, setup box | .25 x 10.5 | 6.25 x 270 | 2500 | 762 | 24.6 | 11.18 | 10 |
| 478-17311Y | .25" x 2500', NAB plastic reel, TapeCare™ box | .25 x 10.5 | 6.25 x 270 | 2500 | 762 | 24.6 | 11.18 | 10 |
| 478-17611T | .25" x 2500', pancake, tray pack | .25 Hub | 6.25 Hub | 2500 | 762 | 11.5 | 5.22 | 10 |
| 478-27211Y | .5" x 2500', pancake, TapeCare™ box | Hub | Hub | 2500 | 762 | 19.9 | 9.00 | 7 |
| 478-27311C | .5" x 2500', 10.5" NAB reel, setup box | .5 x 10.5 | 12.7 x 270 | 2500 | 762 | 23.7 | 10.76 | 7 |
| 479-1586LL | .5" x 1650', red 7" plastic reel, setup box | .25x 7 | 6.25 x 180 | 1650 | 503 | 19.0 | 8.62 | 20 |