



ANALOG

499

AUDIO

GRAND MASTER™
GOLD STUDIO
MASTERING AUDIO TAPE

THE HIGH PERFORMANCE AUDIO
MASTERING TAPE. THE INDUSTRY
LEADER IN EXTENDED LEVEL RECORDING.

PRODUCT OVERVIEW

Led by our continuing commitment to consistent performance, the manufacturing process of Quantegy 499 Grand Master™ Gold is carefully controlled to ensure unmatched uniformity of product. In addition, every roll of 2" 499 is end-to-end certified, giving the end user a unique assurance of highest consistency. Whether it's on the film sound stage, or in the recording studio, low distortion, less noise and superior capabilities make 499 the choice by audio professionals for critical usage. Far and away the leader in high-output audio mastering, Quantegy 499 is the choice of top recording professionals the world over.

PRODUCT FEATURES

- Superior consistency through end-to-end certification
- Designed for optimum tape path performance on today's sophisticated transports
- Unmatched sonic performance
- Available in all standard 1/4", 1/2", 1" and 2" widths



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499 TECHNICAL DATA

Magnetic Properties

Coercivity 390 Oe (31.1 kA/m)
Retentivity 1600 Gs (160 mT)

Physical Properties

Standard Widths:
 1/4" 0.247" (6.3 mm)
 1/2" 0.496" (12.6 mm)
 1" 0.997" (25.4 mm)
 2" 1.996" (50.9 mm)
 Nominal Thickness:
 Base Film 1400 μ" (35.4 μm)
 Oxide Coating 600 μ" (15.2 μm)
 Backcoating 30 μ" (0.8 μm)
 Total 2030 μ" (51.4 μm)

Performance Properties

Sensitivity at 1 kHz 0.5 dB
 Sensitivity at 10 kHz 0.8 dB
 Third Harmonic Distortion at Reference Level (THD) 0.20 %
 Output level at 3% Third Harmonic Distortion (1 kHz) 17.4 dB
 Modulation Noise Ratio -72.5 dB
 Print-through -58.0 dB

499 CONFIGURATIONS

Catalog Number	Description	Reel Size		Tape Length		Carton Weight		Carton Quantity
		Inches	mm	Feet	Meters	Lbs	Kgs	
499-151111	.25" x 1200', 7" plastic reel, setup box	.25 x 7	6.25 x 180	1200	366	37.2	16.89	40
499-15111Y	.25" x 1200' 7" plastic reel, TapeCare™ box	.25 x 7	6.25 x 180	1200	366	22.2	10.03	20
499-174111	.25" x 2500' 10.5" NAB reel, setup box	.25 x 10.5	6.25 x 270	2500	762	24.7	11.20	10
499-17411Y	.25" x 2500' 10.5" NAB reel, TapeCare™ box	.25 x 10.5	6.25 x 270	2500	762	26.0	11.82	10
499-17611T	.25" x 2500' pancake, tray pack	.25 NAB Hub	6.25 Hub	2500	762	12.7	5.77	10
499-274111	.5" x 2500' 10.5" NAB reel, setup box	.5 x 10.5	12.7 x 270	2500	762	25.5	11.58	7
499-27411Y	.5" x 2500' 10.5" NAB reel, TapeCare™ box	.5 x 10.5	12.7 x 270	2500	762	26.6	12.07	7
499-574111	1" x 2500' 10.5" NAB reel, foldup box	1 x 10.5	25.4 x 270	2500	762	31.0	14.06	5
499-57411Y	1" x 2500' 10.5" NAB reel, TapeCare™ box	1 x 10.5	25.4 x 270	2500	762	30.4	13.80	5
499-97M111	2" x 2500' 10.5" precision reel, foldup box	2 x 10.5	50.8 x 270	2500	762	23.4	10.63	2
499-97M11Y	2" x 2500' 10.5" precision reel, TapeCare™ box	2 x 10.5	50.8 x 270	2500	762	24.7	11.21	2
499-98C41F	2" x 3750' 12.5" precision reel, shipper	2 x 12.5	50.8 x 320	3750	1143	39.0	17.69	2
499-99M11F	2" x 5000' 14" precision reel, shipper	2 x 14	50.8 x 360	5000	1524	48.8	22.15	2