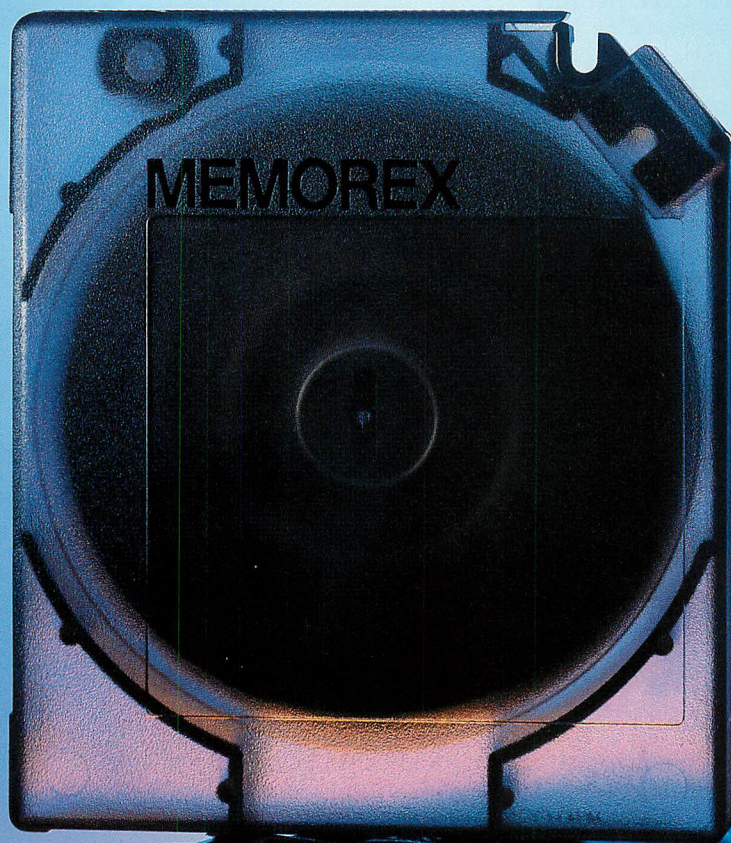
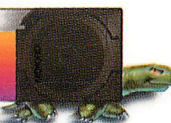


# MEMOREX

Memorex Toughshell™  
3480 Tape Cartridge



The Toughshell is Memorex's long-awaited entry into the 3480 megabyte race. This 1/2" tape cartridge is fully and functionally compatible with the new IBM 3480 tape drive. The Memorex® Toughshell meets or exceeds the performance requirements of that drive, as well as those of current ANSI draft standards.

## Capacity

The Toughshell's chromium dioxide media represents a quantum leap in data storage capacity over the ferric oxides of most standard reel-to-reel computer tape. Its present density of almost 38,000 CPI makes possible capacities of up to 200 MB. And as densities increase in the near future, capacities up to 800 MB are eminently attainable for the Toughshell.

## Data Integrity

The most striking safety feature of the Toughshell is, of course, its rigid polycarbonate shell with its automatic-feed leader block. But the real story is within: our media is so exactly processed that users can expect less than one dropout for each 8 million flux changes (recorded at a threshold of 25% signal remaining).

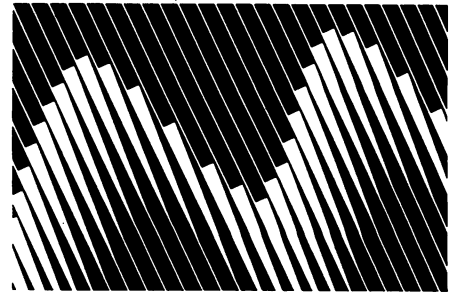
## Commitment

For more than 20 years Memorex has demonstrated, like the tortoise in the fable, a single-minded determination to one goal. We want to sell—and service—the best media available. That commitment to excellence has made us the world leader in computer tape media and it will, in the years to come, position us as *the* source of premium 3480 media.



# MEMOREX

## MEMOREX TOUGHSHELL™ 3480 Tape Cartridge Specifications



### Physical Characteristics

Magnetic Particle: Chromium Dioxide  
Base Film Material: Bi-axially oriented poly-  
ethylene terephthalate  
Base Film Thickness: 0.92 mils nominal  
Total Thickness: Between 1020 and 1330  
micro-inches  
Tape Width:  $0.498'' \pm 0.001''$   
Tape Length: 541 feet minimum  
Magnetic Coercivity:  $520 \pm 30 O_e$   
Compatibility: Not an inhibitor tape  
Toxicity: Non-toxic  
Splices: None

### Performance Characteristics

Maximum Recording Density: 37,871 bytes  
per inch  
Dropouts (Single Track): Less than one dropout  
for each  $8 \times 10^6$  flux changes recorded at  
a threshold of 25% signal remaining.  
Dropouts (Multi-track/Coincident): A multi-  
track dropout is an error on two or more tracks  
of a 9-track group. There will be an average  
of less than one multi-track dropout per 164  
feet of tape.

### Environmental Characteristics

Operating\*: 60°F to 90°F  
20% to 80% R.H.  
Maximum Wet Bulb: 78°F  
Storage:  
40°F to 90°F  
5% to 80% RH  
Maximum Wet Bulb: 80°F

\*If the cartridge has been exposed to condi-  
tions outside these values, it should be condi-  
tioned under these operating conditions at  
least 24 hours prior to use.



**MEMOREX**®

Memorex Computer Supplies Group  
1200 Memorex Drive  
Santa Clara, California 95052

## MEMOREX TOUGHSHELL™ PRECISION 3480 COMPUTER TAPE CARTRIDGE WARRANTY

Memorex has verified the performance of each computer tape cartridge and warrants that it is free from defects in material and workmanship for a period of

### SEVEN YEARS

from date of purchase. Memorex Corporation shall not be responsible for damage from neglect, ordinary wear and tear, misuse, improperly adjusted or maintained tape drives or ancillary equipment, or incorrect environments.

Cartridges thought to be defective should be returned, prepaid, to Memorex Corporation, Santa Clara, California, accompanied by written authorization from a sanctioned representative of Memorex Corporation. Memorex will test the cartridge and if found to be defective, it will be replaced with an equivalent cartridge at no cost to the purchaser.

If Memorex Corporation determines the cartridge is not defective or has been damaged through the user's misuse as previously described, the cartridge will be returned to the user, freight collect if requested.

THE FOREGOING WARRANTY IS IN LIEU OF ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. EXCEPT AS STATED ABOVE, MEMOREX WILL NOT BE LIABLE FOR DAMAGES ARISING OUT OF USE OF THE CARTRIDGE INCLUDING, WITHOUT LIMITATION, INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR BOTH.