



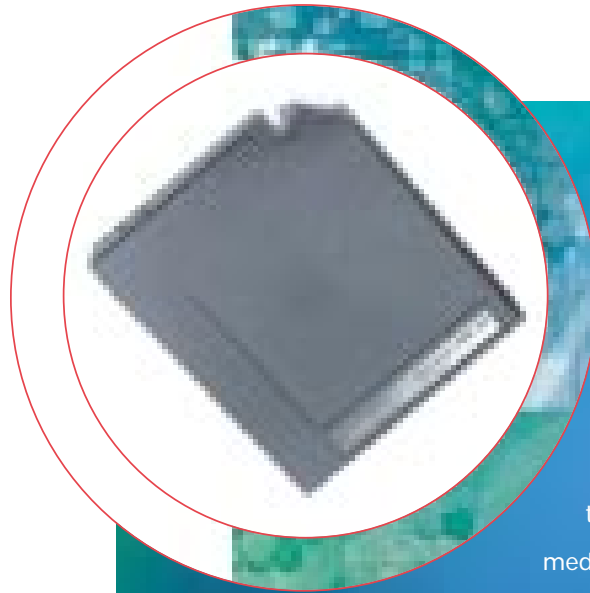
Imation Royal Guard™ 3490E 1GB (1368') Tape Cartridges, 3490E Compatible

3490E Form Factor with More Capacity

- Saves time** Features 268 feet of additional tape which reduces mounts and operator intervention.
- High capacity** High 1GB capacity saves time and money.
- Reliable** Every tape is 100% tested during manufacture for long-term dependability.
- High quality** Manufactured under strict ISO 9002 standards with lifetime guarantee against manufacturing defects.
- User friendly** Easier handling with a deeper recessed label area and contoured finger grips.

Stronger Cartridges with FlashGard™ Weld

Imation's patented FlashGard welding process creates a "wall within a wall" inside the cartridge. This wall traps weld debris or "flash", keeping it away from the tape pack, and enhances overall shell strength. A stronger cartridge is less susceptible to damage. With fewer broken shells, your data center will experience fewer work interruptions, saving time and money.

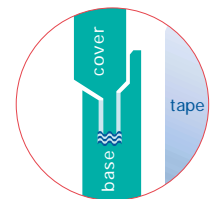


Royal Guard

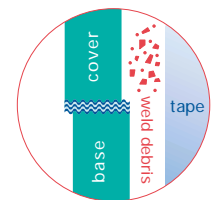
Our newest Royal Guard cartridge demonstrates our commitment to creating reliable media technology that meets the ever increasing needs of data centers. And it is our reputation for dependability and superior technology that makes Imation the most preferred media in the world.

Stronger Cartridges with Patented FlashGard™ Weld

A "wall within a wall" traps unwanted weld debris or "flash" and keeps it away from the tape pack.



With Imation's
FlashGard™ Weld



Conventional
Ultrasonic Weld

Imation Royal Guard™ 3490E 1GB (1368') Tape Cartridges

From desktop to data center, Imation delivers the most complete range of data storage solutions backed by nearly 50 years of service, reliability and innovation.



SuperDisk™



Diskettes



Optical



Data Cartridges



Travan™



DLTtape™



Black Watch™

Physical Characteristics

Substrate	Polyethylene terephthalate (PET)
Thickness	
Substrate	0.44 mils nominal (11.6 microns)
Total	0.53 mils nominal (13.7 microns)
Length	1,368 feet nominal (417 meters)
Durability	
Long Length	2,000+ read-forward passes
Short Length	120,000+ read-forward passes

Magnetic Characteristics

Intrinsic Coercivity (Hc)	520 Oersteds (39.8 kA/m) ± 30 Oe using VSM with time constant of 0.3 second
Narrow Band Signal-To-Noise (average read power over average integrated RMS noise power)	30 dB minimum

Error Characteristics

Analog Dropouts (25% Signal Remaining Threshold)	
Signal Track	600 maximum per 1,368-foot cartridge
Multi-Track/Coincident	Zero
Digital/System Errors	
Permanent Errors	Zero
Temporary Errors (Recoverable Error)	Zero
ECC Errors (Corrected Blocks)	100 maximum per 1,368-foot cartridge

Safety Characteristics

Toxicity	Non-hazardous to human health in anticipated use
Flammability	Self-extinguishing per UL94

Cartridge Shell Conditions

Leader Block Loading/Unloading	Minimum of 5,000 load/unloads
Cartridge Drop Test	Suitable for single use after drop of up to 39.4 inches (1 m)

Environmental Recommendations

Operating Conditions	60°F to 90°F (15°C to 32°C) 20% RH to 80% RH 78°F (26°C) wet bulb maximum
Storage Conditions of Recorded Tape	40°F to 90°F (4°C to 32°C) 5% RH to 80% RH 80°F (27°C) wet bulb maximum
Transportation Conditions of Unrecorded Tape (10 days maximum)	-10°F to 120°F (-23°C to 49°C) 5% RH to 80% RH 80°F (27°C) wet bulb maximum with no condensation
Transportation Conditions of Recorded Tape (10 days maximum)	40°F to 100°F (4°C to 38°C) 5% RH to 80% RH 78°F (26°C) wet bulb maximum with no condensation

WARRANTY

LIFETIME WARRANTY: Imation warrants that this product is free from defects in material and manufacture at the time of purchase. If any defect in material or manufacture appears during the life of the product, Imation's entire liability and your exclusive remedy is, at Imation's option, either (a) repair, or (b) replacement of the product, or (c) refund of the purchase price of the product, which must be returned to Imation with proof of purchase. This warranty does not apply to failure of the product resulting from misuse, abuse, accident, neglect or mishandling, improperly adjusted or maintained drives, incorrect environments, or wear from ordinary use. For warranty service, contact the seller or Imation and return the defective product with proof of purchase to the address indicated on the product packaging.

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