

Product Document

Release: 11/10/04 Rev. 1

ARCHIVAL GOLD CD-R



General Description

An Archival recordable Gold CD-R made with a patented Phthalocyanine dye that reacts faster to the disc drive's writing laser, making the pit edges used to store data sharper and easier to read. This dye offers the maximum resistant to the effects of light, humidity and heat. The CD's reflective layer is made with 24K gold instead of silver, which stops degradation from oxidation (CD rot).

Applications

Long term storage of digital files, including pictures, music and other data. Tested through accelerated aging processes and shown to safely store data for more than 300 years.

Features

- Fast reacting, long lasting Phthalocyanine dye
- Gold reflective layer instead of silver
- Lacquer layer over the gold to prevent peeling
- Diamond protective layer applied to the lacquer to prevent scratching

Specifications

A CD-R rated 650MB/74 minute storage capacity.

Recording condition temperature 15 - 35 C,
Humidity 45 - 75 %RH

Playback condition temperature -5 - 55 C, Humidity
5 - 95 %RH

Transportation condition temperature -20 - 60 C,
Humidity 5 - 95 %RH, Period 2 weeks

Storage condition temperature 5 - 30 C, Humidity 8
- 60 %RH, Period 300 years

Dimensions

The CD is a disc with a diameter of 120 mm and a thickness of 1.2 mm. The central hole, used to center the CD, has a diameter of 15 mm.



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