

# CD-R CARBON Range

## 80mn/700MO

### Recordable media especially dedicated to professional duplicators

#### □ Description

- ✓ **Carbon CDR** : The black polycarbonate protect your datas from light deterioration effect
- ✓ **Bulk or White printable surface compatible with Inkjet and Thermal printers**
  - The look vinyl version with white inkjet surface available with MPO logo in the centre of the disc
  - A Black/Black version is available – (Invisible Silver reflector)
- ✓ **High compatibility with all burners**
- ✓ **Reliability and durability**
- ✓ **Compliance to archiving standards**
- ✓ **Packaged in P100 shrink with top and bottom protection structure**

Carton box of 600 CDR horizontally packed to insure a better protection of discs during the shipment.

#### □ Technical specifications

- ✓ **Type** : CDR DATA
- ✓ **Capacity** : 80mn/700MO
- ✓ **Maximum writing speed** : 48X ( This parameter depends drive references.)
- ✓ **Recordable surface** : high quality dye phtalocyanine.
- ✓ **Reflective layer** : SILVER
- ✓ **Printable surface** : 16/118 mm and 26/70 mm for the vinyl look version.
- ✓ **Disc** : Black Polycarbonate optical grade certified
- ✓ **Unique serial number on each CDR** : Guarantee the uniqueness and a total traceability of the media.
- ✓ **BLER Pick < 100**
- ✓ **Estimated lifetime** : 50 years for CD-R packaged in single boxes protected from light, in a controlled atmosphere at 21°C +/-3°C and a humidity rate between 30% and 50%.  
Incorrect manipulation of CDR can damage the media and induce an important decline of this lifetime. The burning quality is also an important parameter in the evaluation of storage data lifetime for CDR.
- ✓ CDR are tested during production at different steps. At the end of the line CDR are picked up by sampling procedure, burned with different burners at different speeds, and tested by MPO in his own Test and Compatibility Laboratory in France.

- **Test systems** : CDCATS, CDA, ...

#### **Main tested parameters :**

- BLER: Block Error Rate
- I3/I11: Signal HF
- RA/VA : Radial/Vertical Acceleration
- JITTER
- Reflectivity
- Excentricity



# CD-R DIAMOND 80mn/700MO

## Thermal printable

### Recordable media especially dedicated to professional duplicators

#### □ Description

- ✓ **DIAMOND recordable surface** – pre-recorded CD aspect.
- ✓ **Total Surface thermal printable** : Full compatibility with RIMAGE (EVEREST, PRISM) and TEAC
- ✓ **Printable varnish White or Silver**
- ✓ **High compatibility with all burners**
- ✓ **Reliability and durability**
- ✓ **Compliance to archiving standards**
- ✓ **Packaged in P100 shrink** with top and bottom protection structure
- ✓ Carton box of 600 CDR horizontally packed to insure a better protection of discs during the shipment.

#### □ Technical specifications

- ✓ **Type** : CDR DATA
- ✓ **Capacity** : 80mn/700MB
- ✓ **Maximum writing speed** : 52X (This parameter depends on the burner reference)
- ✓ **Recordable layer** : High quality phthalocyanine dye – DIAMOND
- ✓ **Reflective layer** : SILVER
- ✓ **Total Surface Printable Layer** : 16mm/118 mm
- ✓ **Disc** : Polycarbonate optical grade certified
- ✓ **Unique serial number on each CDR** : Guarantee the uniqueness and a total traceability of the media.
- ✓ BLER Pick < 100
- ✓ **Estimated lifetime** : 50 years for CD-R packaged in single boxes protected from light, in a controlled atmosphere at 21°C +/-3°C and a humidity rate between 30% and 50%.  
Incorrect manipulation of CDR can damage the media and induce an important decline of this lifetime.
- ✓ The burning quality is also an important parameter in the evaluation of storage data lifetime for CDR.
- ✓ **CDR are tested during production at different steps.** At the end of the line, CDR are picked up by sampling procedure, burned with different burners at different speeds, and tested by MPO in his own Test et Compatibility Laboratory in France
  - Tests systems : CDCATS, CDA, ...  
Main tested parameters:
    - BLER: Block Error Rate
    - I3/I11: Signal HF
    - RA/VA : Radial/Vertical Acceleration
    - JITTER
    - Réflectivity
    - Excentricity



# CD-R DIAMOND 80mn/700MO

## Inkjet printable

### Recordable media especially dedicated to professional duplicators

#### □ Description

- ✓ **DIAMOND recordable surface** – pre-recorded CD aspect.
- ✓ **Total Surface inkjet printable surface** : Full compatibility with PRIMERA, RIMAGE, EPSON, MICROBOARDS, VERITY SYSTEMS, HP ...
- ✓ **Printable varnish White or Silver**
- ✓ **High compatibility with all burners**
- ✓ **Reliability and durability.**
- ✓ **Compliance to archiving standards**
- ✓ **Packaged in P100 shrink** with top and bottom protection structure
- ✓ **Carton box of 600 CDR** horizontally packed to insure a better protection of discs during the shipment.

#### □ Technical specifications

- ✓ **Type** : CDR DATA
- ✓ **Capacity** : 80mn/700MB
- ✓ **Maximum writing speed** : 52X (This parameter depends on the burner reference)
- ✓ **Recordable layer** : High quality photolocyanine dye – DIAMOND
- ✓ **Reflective layer** : SILVER
- ✓ **Total Surface Printable Layer** : 16mm/118 mm
- ✓ **Disc** : Polycarbonate optical grade certified
- ✓ **Unique serial number on each CDR** : Guarantee the uniqueness and a total traceability of the media.
- ✓ **BLER Pick < 100**
- ✓ **Estimated lifetime** : 50 years for CD-R packaged in single boxes protected from light, in a controlled atmosphere at 21°C +/-3°C and a humidity rate between 30% and 50%.  
Incorrect manipulation of CDR can damage the media and induce an important decline of this lifetime. The burning quality is also an important parameter in the evaluation of storage data lifetime for CDR.
- ✓ **CDR are tested during production at different steps.** At the end of the line, CDR are picked up by sampling procedure, burned with different burners at different speeds, and tested by MPO in his own Test and Compatibility Laboratory in France
  - **Tests systems : CDCATS, CDA, ...**  
**Main tested parameters:**
    - BLER: Block Error Rate
    - I3/I11: Signal HF
    - RA/VA : Radial/Vertical Acceleration
    - JITTER
    - Réflectivity
    - Excentricity



# DVD-R GOLD 4,7 GO

## Long time archiving

Recordable media especially dedicated  
for mastering and archiving applications



### Description

- ✓ Double reflector Silver/Gold for a better archiving
- ✓ Reliability and durability
- ✓ In option : inkjet or thermal printable varnish white or Silver



### Technical specifications

- ✓ **Type** : DVD-R General Use
- ✓ **Capacity** : 4,7 GB
- ✓ **Maximum writing speed** : 8X
- ✓ **Recordable layer** : High quality AZO dye
- ✓ **Reflective layer** : Silver and 24 carats Gold
- ✓ **Disc** : Polycarbonate optical grade certified
- ✓ **Unique serial number on each DVDR** : Guarantee the uniqueness and a total traceability of the media.
- ✓ **Long time archiving guaranteed** : for DVD-R packaged in single boxes protected from light, in a controlled atmosphere at 21°C +/-3°C and a humidity rate between 30% and 50%.  
Incorrect manipulations of DVDR can damage the media and induce an important decline of this lifetime. The burning quality is also an important parameter in the evaluation of storage data lifetime for CDR.
- ✓ **DVD-R are tested during production at different steps.** Finished products are tested by sampling procedure, burned with different burners at different speeds, and tested by MPO in his own Test and Compatibility Laboratory in France. The specific long term archiving specification of this media has been validated by accelerated ageing procedure tests by MPO.

- **Tests systems** : DVDCATS, ...

#### Main tested parameters:

- P1sum8, POF: correction Error
- I3/ I14: HF Signal
- RN: Radial Noise
- FE: Focus Error
- DC Jitter
- Space Layer Thickness



# CD-R GOLD 700MO

## Long time archiving

### Recordable media especially dedicated for mastering and archiving applications

#### □ Description

- ✓ **GOLD reflective layer**
- ✓ **Option** : Total Surface Inkjet or Thermal printable varnish White or Silver
- ✓ **High compatibility with all burners**
- ✓ **Reliability and durability**
- ✓ **Compliance to archiving standards**
- ✓ **Packaged in P100 shrink** with top and button protection structure
- ✓ Carton box of 600 CDR horizontally packed to insure a better protection of discs during the shipment.

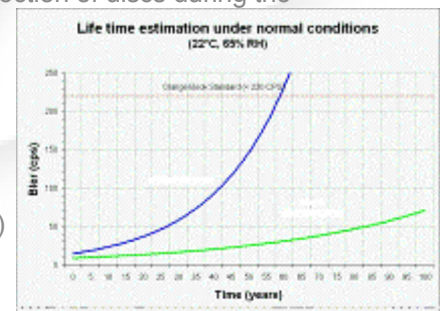
#### □ Technical specifications

- ✓ **Type** : CDR DATA
- ✓ **Capacity** : 80mn/700MB
- ✓ **Maximum writing speed** : 32X (a low speed version is available )
- ✓ **Recordable layer** : High quality phthalocyanine dye
- ✓ **Reflective layer** : GOLD 24 carats
- ✓ **Layer** : 34 mm/118 mm
- ✓ **Disc** : Polycarbonate optical grade certified
- ✓ **Unique serial number on each CDR** : Guarantee the uniqueness and a total traceability of the media.
- ✓ BLER Pick < 50
- ✓ Average BLER < 10
- ✓ **Estimated lifetime** : 100 years for CD-R packaged in single boxes protected from light, in a controlled atmosphere at 21°C +/-3°C and a humidity rate between 30% and 50%.  
Incorrect manipulation of CDR can damage the media and induce an important decline of this lifetime. The burning quality is also an important parameter in the evaluation of storage data lifetime for CDR.
- ✓ **CDR are tested during production at different steps.** At the end of the line, CDR are picked up by sampling procedure, burned with different burners at different speeds, and tested by MPO in his own Test and Compatibility Laboratory in France

##### ▪ Tests systems : CDCATS, CDA, ...

##### Main tested parameters:

- BLER: Block Error Rate
- I3/I11: Signal HF
- RA/VA : Radial/Vertical Acceleration
- JITTER
- Réflectivity
- Excentricity



# DVD+/- R 4,7 GO 16X Inkjet Printable

## Recordable media especially dedicated to professional duplicators

### □ Description

- ✓ **Top surface Silver with protection varnish**
- ✓ **Total Surface inkjet printable surface** : Full compatibility with PRIMERA, RIMAGE, EPSON, MICROBOARDS, VERITY SYSTEMS,
- ✓ **Printable varnish White or Silver**
- ✓ **High compatibility with all burners**
- ✓ **Reliability and durability**
- ✓ **Packaged in P100 shrink with top and bottom protection structure**
- ✓ **Carton box of 600 CDR** horizontally packed to insure a better protection of discs during the shipment.



### □ Technical specifications

- ✓ **Type** : DVD-R General Use  
DVD+R
- ✓ **Capacity** : 4,7 GO
- ✓ **Maximum writing speed** : 16X Totale compatibility à 4X et 8X (This parameter depends on the burner reference)
- ✓ **Recordable layer** : High quality AZO dye
- ✓ **Reflective layer** : SILVER
- ✓ **Total Surface Printable Layer** : 16mm/118 mm
- ✓ **Disc** : Polycarbonate optical grade certified
- ✓ **Unique serial number on each DVDR** : Guarantee the uniqueness and a total traceability of the media.
- ✓ **Estimated lifetime** : 25 years for DVD-R packaged in single boxes protected from light, in a controlled atmosphere at 21°C +/-3°C and a humidity rate between 30% and 50%.

Incorrect manipulations of DVDR can damage the media and induce an important decline of this lifetime. The burning quality is also an important parameter in the evaluation of storage data lifetime for CDR.

- ✓ **DVDR are tested during production at different steps.** Finished products are picked up by sampling procedure, burned with different burners at different speeds, and tested by MPO in his own Test et Compatibility Laboratory in France

- **Tests systems** : DVDCATS, ...

#### **Main tested parameters:**

- **Plsum8, POF: Error correction**
- **I3/I14: Signal HF**
- **RN: Radial Noise**
- **FE: Focus Error**
- **DC Jitter**
- **Space Layer Thickness**

# DVD+/- R 4,7 GO 16X Thermal Printable

## Recordable media especially dedicated to professional duplicators

### □ Description

- ✓ **Top surface Silver with protection varnish**
- ✓ **Total Surface thermal printable** : Full compatibility with RIMAGE (EVEREST, PRISM) and TEAC
- ✓ **Printable varnish White or Silver**
- ✓ **High compatibility with all burners**
- ✓ **Reliability and durability**
- ✓ **Packaged in P100 shrink with top and bottom protection structure**

Carton box of 600 CDR horizontally packed to insure a better protection of discs during the shipment.

### □ Technical specifications

- ✓ **Type** : DVD-R General Use  
DVD+R
- ✓ **Capacity** : 4,7 GO
- ✓ **Maximum writing speed** : 16X Totale compatibility à 4X et 8X (This parameter depends on the burner reference)
- ✓ **Recordable layer** : High quality AZO dye
- ✓ **Reflective layer** : SILVER
- ✓ **Total Surface Printable Layer** : 16mm/118 mm
- ✓ **Disc** : Polycarbonate optical grade certified
- ✓ **Unique serial number on each DVDR** : Guarantee the uniqueness and a total traceability of the media.
- ✓ **Estimated lifetime** : 25 years for DVD-R packaged in single boxes protected from light, in a controlled atmosphere at 21°C +/-3°C and a humidity rate between 30% and 50%.

Incorrect manipulations of DVDR can damage the media and induce an important decline of this lifetime. The burning quality is also an important parameter in the evaluation of storage data lifetime for CDR.

- ✓ DVDR are tested during production at different steps. Finished products are picked up by sampling procedure, burned with different burners at different speeds, and tested by MPO in his own Test and Compatibility Laboratory in France

- **Tests systems : DVDCATS, ...**

- **Main tested parameters:**

- Plsum8, POF: Error correction
- I3/ I14: Signal HF
- RN: Radial Noise
- FE: Focus Error
- DC Jitter
- Space Layer Thickness

