

Araldite® DVDR / RW Adhesives from Huntsman Advanced Materials

High Performance Adhesives for DVDR / RW

The market for DVDR and DVD RW discs presents new bonding challenges both technically and commercially. High disc burning temperatures combined with sensitive recording dye layers forces new adhesive requirements. This combined with the commercial reality of ever increasing disc prices places greater pressure on the development of innovative and cost-effective adhesives.

Huntsman Advanced Materials, producers of the world leading Araldite adhesive for Pre-recorded DVD, has developed and extensively market tested a new range of adhesives to meet the specific needs of DVDR and DVD RW.

Key features of the range include:-

- Suitability for both inline and offline bonding for DVDR and inline for DVD RW
- Rapid cure for reduced cycle times
- Passes elevated climate testing of 80°C / 85% RH / 96H (for DVDR) and 80°C / 85% RH / 500H for DVD RW*) *XD 4810 only
- Minimises post climate jitter deviation, especially with reduced aluminium sputtering thicknesses
- Cost-effective formulations

Araldite DVD R / RW Adhesives - Physical properties

| | XD 4810 | XD 4820 | XD 4830 |
|----------------------------------|------------------------------------|---------------------------------|----------------------------|
| Viscosity | c. 190 mPas | c. 300 mPas | c. 550 mPas |
| Shelf life | 1 year | 1 year | 1 year |
| DVD equipment suitability | Alpha Sweden | M2 Engineering Krauss Maffei | Steag HamaTech Singulus |
| Format suitability | DVD RW / DVDR | DVDR | DVDR |
| Substrate suitability | | | |
| CD lacquer | ● | ● | ● |
| Polycarbonate | ● | ● | ● |
| Silver | ● | ● | ● |
| Silver Alloy | ● | ● | ● |
| Climate test | Passes 80°C/85%RH/500H (DVD+RW) | Passes 80°C/85%RH/96H | Passes 80°C/85%RH/96H |

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