

Araldite DVD bonding adhesives from Huntsman Advanced Materials

High Performance Adhesives for Silver Alloy

Huntsman Advanced Materials has recognised the growing market pressures for cost effective materials combined with the increasing need for clean and efficient metallisation processes. This has necessitated the development of alternatives to gold and silicon substrates and for adhesives to meet the electrical, physical and mechanical challenges posed.

Huntsman Advanced Materials' next generation Silver Alloy Adhesives not only provides the solution to electrolytic corrosion between dissimilar reflective layer materials but goes further to provide you with industry leading performance.



Key features of Huntsman's core range of DVD adhesives for Silver Alloy:-

- Adhesives successfully evaluated by the leading producers of silver alloy semi reflective materials eg Target Technology, Williams, and APM.
- Maintains integrity of electro / mechanical disc properties even after elevated climate testing (80°C / 95% RH / 96H)
- Provides industry leading adhesion to ensure minimal moisture ingress into the disc.
- Compatible with most reflective materials used in the Optical industry today reducing the need for multiple adhesive types
- Developed [following collaboration with many of the leading DVD line integrators eg M2, Alpha Sweden and Steag HamaTech.

Araldite DVD adhesives - Physical properties

	XD 4761	XD 4762	XD 4763
Viscosity	c. 190 mPas	c. 300 mPas	c. 550 mPas
Shelf life	1 year	1 year	1 year
DVD equipment suitability	Alpha Sweden, Convac	M2 Engineering, Krauss Maffei	Steag HamaTech, Panasonic, Singulus, Tapematic
Substrate suitability			
Polycarbonate	●	●	●
Aluminium	●	●	●
Gold	●	●	●
Silicon	●	●	●
Silver			
TTP35a	●	●	●
TTP40	●	●	●
TTP46	●	●	●
Climate test	Passes 80°C/95%RH/96H	Passes 80°C/95%RH/96H	Passes 80°C/95%RH/96H