

TECHNICAL INFORMATION

ALTECO MR

FEATURES

ALTECO MR is suitable for bonding metal, plate, plastic and rubber.
This product is excellent in chemical resistance.

1. General property

Main component	Methyl cyanoacrylate monomer	
Appearance	Colorless and transparent	
Viscosity	15mPa·s	(25°C)
Specific gravity	1.06	(20°C)
Flash point	88°C	
Soluble in	Acetone, DMF, DMSO	

2. Property after curing

Appearance	Clear solid	
Specific gravity	1.26	
Hardness (HDD)	90	
Softening point	165°C	(Vicat penetrometer test)
Glass transition point	170°C	
Coefficient of linear expansion	0.9×10^{-4}	
Dielectric constant	3.5	(10MC, 10°C)
Dielectric loss tangent	0.07	(10MC, 10°C)
Dielectric breakdown voltage	14	(kV/0.1mm, 23°C)
Volume resistivity	10^{14}	(Ω cm, 30°C)
Soluble in	DMF, DMSO	

3. Set time & Tensile shear strength

Material	Set time (sec.)	Tensile shear strength
		(N/mm ²)
Steel	15	25
Aluminum	15	13
Stainless steel	15	25
ABS	10	6 *
PMMA	10	6 *
Rigid PVC	10	6 *
Phenol	5	9 *
Polycarbonate (PC)	10	9 *
Chloroprene rubber (CR)	5	0.5 *
Nitric rubber (NBR)	5	0.5 *

*Failure of base material Test method: JIS K6861

Measuring condition: 23°C, 60%RH

4. Chemical resistance

	MR	EE
Acetone	○	×
Ethly Alcohol	○	○
Gasoline	○	○
Nitromethane	×	×

*Polymer is soaked in each solvent at room temperature for seven days, and it is evaluated. ○:no change, ×:dissolution

*EE: ALTECO EE (Ethly cyanoacrylate)

Actual adhesive properties may vary according to various conditions upon actual use. Please carry out individual tests to make sure product fits your specific needs.

Please note that the data listed above is one data from several measurements, this is not official specification.