





# SANHO CHEMICAL CO., LTD.

NO. 1 CHUNG SHAN S. RD., LU-CHU, KAOSHIUNG, TAIWAN.  
TEL : 886-7-6962211~3      http : // www.sanho.com.tw  
FAX : 886-7-6976993 (Sales)      E-mail : sanho@sanho.com.tw  
FAX : 886-7-6961782 (Export)      E-mail : sanho@so-net.net.tw

## 5. LAP SHEAR STRENGTH

Epoxy resin : employed same epoxy resin as above (4)

Curing time at 23°C for 7 days.

Epoxy resin / KINGMIDE 334	100 / 25	100 / 35	100 / 45
Lap shear strength * (kgf/cm <sup>2</sup> )	117	118	132

\* Mild steel plate with sand blast treatment. were employed.

## 6. CHEMICAL RESISTANCE

Epoxy resin : bisphenol-A type epoxy resin liquid whose epoxy equivalent weight is about 190

Precured at 23°C for 7 days

Measured the weight change of the cured products after immersing them into following chemical substrates

Unit : %

Epoxy Resin / K-334	100 / 25			100 / 35			100 / 45		
	1	7	30	1	7	30	1	7	30
Tap water	0.2	0.4	0.9	0.1	0.4	0.9	0.2	0.5	1.0
5% salt water solution	0.1	0.4	0.9	0.1	0.4	0.9	0.1	0.4	1.0
10% caustic soda solution	0.2	0.4	0.7	0.1	0.3	0.8	0.1	0.4	0.9
10% ammonia solution	0.1	0.4	0.8	0.1	0.4	0.9	0.1	0.4	0.9
5% sulfuric acid solution	0.1	0.4	0.9	0.2	0.7	1.1	0.4	1.2	2.1
5% hydrochloric acid solution	0.1	0.4	0.9	0.1	0.4	0.9	0.3	0.7	1.4
Kerosene	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Isopropanol	0.3	0.6	0.6	0.2	0.4	0.6	0.3	0.6	1.2
Methyl isobutyl ketone	9.6	22.2	broken	3.0	6.3	8.6	1.4	4.0	7.6