



SANHO CHEMICAL CO., LTD.

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Epoxy resin / TOHMIDE 252		80 / 20	75 / 25	70 / 30
Tensile Strength	(kgf/mm ²)	5.2	5.6	6.8
Bending Strength	(kgf/mm ²)	8.1	10.6	10.0
Flexural Modulus	(kgf/mm ²)	3.7×10 ²	3.9×10 ²	3.7×10 ²
Compressive strength	(kgf/mm ²)	9.7	9.9	9.2
Izod Impact Strength	(kgf/cm-cm)	1.4	1.7	2.3
Rockwell Hardness	(M-scale)	72	79	78
Heat Distortion Temp	(°C)	46	51	53

5. LAP SHEAR STRENGTH

A resin mix of Tohmide252 and the same epoxy resin as employed above were cured at 22-23°C , and applied to bond mild steel plates whose surfaces were pre-treated by sand-blast. Thereafter, LAP SHEAR STRENGTH of the cured products were measured 7 days after bonding them at 22-23°C by the mixtured resins.

Epoxy resin / TOHMIDE 252	100 / 15	80 / 20	75 / 25	70 / 30	65 / 35
Lap shear strength (kgf/ cm ²)	175	161	154	147	164

6. CHEMICAL RESISTANCE

Percentage increase in weight of the cured products of Tohmide 252 and the same epoxy resin as employed above were measured as follow after being cured at 22-23°C for 7 days , and immersing them into respective chemical substances.

Unit : %

Epoxy / TOHMIDE 252 (Mixing Ratio by weight))	80 / 20			75 / 25			70 / 30		
	1	7	30	1	7	30	1	7	30
Tap Water	0.13	0.45	1.01	0.07	0.38	1.14	0.00	0.41	1.26
5% solution of Salt	0.09	0.38	0.90	0.03	0.35	1.00	0.08	0.39	1.06
10% solution of Caustin soda	0.08	0.33	0.75	0.00	0.24	0.70	0.03	0.28	0.98
10% solution of Ammonia	0.15	0.52	1.08	0.04	0.39	1.13	0.03	0.44	1.38
5% solution of Surfrucic Acid	0.23	0.60	1.34	0.43	1.20	2.51	1.45	3.96	7.91
5% solution of Hydrochloric	0.32	0.63	1.30	0.85	1.60	2.82	2.57	5.59	9.50
Kerosene	0.04	0.05	0.12	0.04	0.06	0.13	0.07	0.07	0.12
Isopropylalcohol	0.45	0.88	1.17	0.34	0.75	1.16	0.72	1.30	2.24
Metyliso butyl-ketone	8.46	18.5	23.4	2.34	5.84	8.51	2.00	5.20	8.11