



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

4 MECHANICAL / PHYSICAL PROPERTIES

The mechanical properties of the cured products of the FUJICURE 205-Land the same epoxy resin as employed above were measured as follow;

Epoxy resin / FUJICURE FXD-822	100 / 40	100 / 50	100 / 60
Tensile strength (kgf/mm ²)	4.4	4.6	4.4
Flexural strength (kgf/mm ²)	9.0	10.9	10.8
Flexural modulus (kgf/mm ²)	4.4×10 ²	4.4×10 ²	4.4×10 ²
Compressive strength (kgf/mm ²)	10 ²	9.6	9.6
Izod impact strength (kgf/cm-cm)	10.7	2.9	3.5
Rockwell hardness (m-scale)	2.8	71	68
Shore-d hardness	75	85	84
Heat distortion temp (°C)	85	52	51
	50		

5 CHEMICAL RESISTANCE

Percentage increase in weight of the cured products of FUJICURE 205-Land the same epoxy resin as employed above were measured as follow after being cured at 22~23°C for 7 days, and immersing into respective chemical substances.

unit:%

Epoxy Resin / 205-L	100 / 40			100 / 50			100 / 60		
Immersing time (days)	1	7	30	1	7	30	1	7	30
Tap water (23°C)	0.1	0.4	0.8	0.1	0.4	0.8	0.1	0.4	1.0
Tap water (40°C)	0.4	0.8	1.2	0.4	1.0	1.4	0.5	1.3	1.5
5% salt solution	0.1	0.3	0.7	0.1	0.4	0.8	0.1	0.4	0.9
10% caustic soda solution	0.1	0.3	0.6	0.1	0.3	0.7	0.1	0.3	0.8
10% ammonia solution	0.2	0.6	1.1	0.3	0.7	1.5	0.3	0.9	1.9
5% sulfuric acid solution	0.1	0.4	0.8	0.1	0.4	0.8	0.1	0.5	1.0
5% hydrochloric acid solution	0.1	0.3	0.7	0.1	0.4	0.9	0.2	0.5	1.1
Kerosene	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1
Isopropanol	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3
MIBK	3.2	8.8	15	1.6	5.4	5.4	1.3	3.1	5.7

6. APPLICATIONS

- (1) Solvent free and high solids coatings.
- (2) Self leveling floors and mortars.
- (3) Water-wipeable tile grouts and lamination.
- (4) Reinforced coatings and gel coats.