



# TEST REPORT

15, Jongga-ro, Jung-gu, Ulsan, 681-802 Rep. of KOREA

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Client : Jong-Chul Lee

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KUKIL INNTOT CO.,LTD.

17, Tapgeol-Gil, Ungchon-Myeon, Ulju-Gun, Ulsan, Korea.

Sample : Plastics Specimen(Epoxy GRE NEMA G-11)

## TEST RESULTS

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Tensile Strength	MPa	-	418	ASTM D638-10(*)
Compressive Strength	MPa	-	358	ASTM D695-10(**)
Flexural Strength	MPa	-	557	ASTM D790-10(Procedure A)
Shear Strength	MPa	-	177	ASTM D732-10
Water Absorption	%	-	0.02	ASTM D570-98(24 h Immersion)
Insulation Resistance	MΩ	-	More than 10 <sup>7</sup>	ASTM D257-99
Dielectric Strength	kV/mm	-	More than 7.8	ASTM D149-09(Method A) (***)
Izod Impact Resistance	J/m	-	807	ASTM D256-10(Test Method A)
Compressibility	%	-	2.2	ASTM F36-99(Prdcedure J)
Recovery	%	-	95	ASTM F36-99(Prdcedure J)

(\*) Specimen Type : I , Speed of Testing : 10 mm/min

(\*\*) Specimen Type : Thin Specimen, 2.8 mm

(\*\*\*) Test Condition : In air, Voltage rate-of-rise : 0.3 kV/s, Thick. of Specimen : 2.95 mm

Upper electrode : 12.5 mm ball

Lower electrode : circular flat plate, 20 mm in dia., 3.5 mm thick, Test Load : 500 g

\* USAGE : QUALITY CONTROL

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Jun.25.2014

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