

CHARACTERISTICS OF EPOXY SEALANT

DESCRIPTIONS	NCO-125RF	NCO-150	NCO-150S	NCO-150SZ	NCO-150SB	NCO-200	NCO-200S
COLOR	GRAY	CLEAR	CLEAR	WHITE	BLACK	CLEAR	CLEAR
DENSITY(g/cm ³)	1.6	1.5	1.7	1.8	1.8	1.5	1.5
SHEAR STRENGTH (Kg/cm ²)	330	410	290	310	300	450	470
THERMAL EXPANSION COEFFICIENT (1/ °C)	8X10 ⁻⁵	9X10 ⁻⁵	8X10 ⁻⁵	7X10 ⁻⁵	7X10 ⁻⁵	6X10 ⁻⁵	6X10 ⁻⁵
GLASS TRANSITION POINT (°C)	150	153	161	160	163	155	155
* WATER ABSORPTION (WT %)	1.0 MAX.	1.2 MAX.	0.8 MAX.	0.75 MAX.	0.75 MAX.	1.2 MAX.	1.2 MAX.
DIELECTRIC CONSTANT (AT 1MHz)	3.43	6.10	6.10	6.90	7.10	6.75	6.75
tan σ (AT 1MHz)	-	0.022	0.035	0.045	0.044	0.029	0.029
THERMAL CONDUCTIVITY (Cal/cm.SEC. °C)	9X10 ⁻⁴	7.9X10 ⁻⁴	12.5X10 ⁻⁴	13X10 ⁻⁴	13X10 ⁻⁴	6.2X10 ⁻⁴	6.2X10 ⁻⁴
SURFACE RESISTIVITY (OHM)	1.9X10 ¹⁶	3.5X10 ¹⁴	3.5X10 ¹⁴	3.5X10 ¹⁴	4.1X10 ¹⁴	3.0X10 ¹⁴	3.0X10 ¹⁴

NOTE: MATERIAL CHARACTERISTICS MENTIONED ABOVE ARE TYPICAL VALUES

*** WEIGHT CHANGE AFTER PUTTING THE TEST PIECE (50ϕ X 3MM) IN PURE WATER (50 °C) FOR 24 HRS.**