



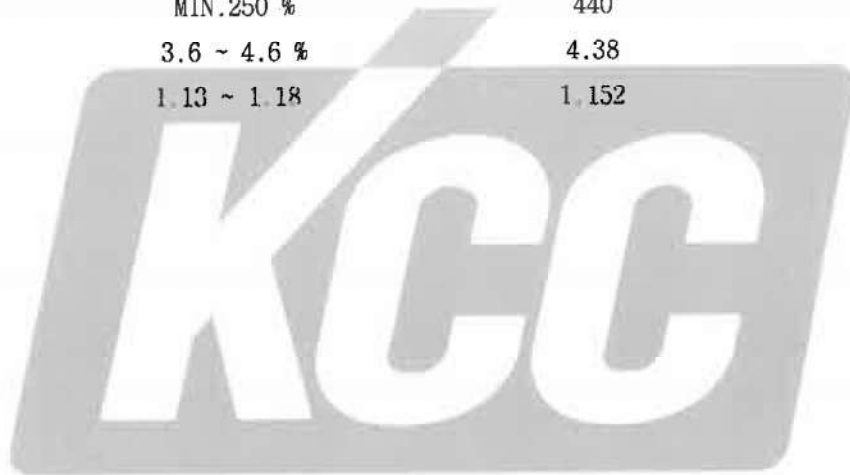
# CERTIFICATE OF ANALYSIS

TO : TCHEM PTE. LTD.  
 ITEM NAME : SILICONE RUBBER  
 PRODUCT CODE : SH0050U  
 LOT NO. : PA60106047  
 QUANTITY : 3180 kg

PRODUCT NAME : General purpose for molding, Hardness 50  
 MFG. DATE : 2016-01-06  
 EXP. DATE : 2017-01-05

ITEM	STANDARD	RESULT	TEST METHOD
PLASTICITY	160 ~ 220	187	ASTM D926
HARDNESS	46 ~ 55	54	ASTM D2240(SHORE A)
TEAR STRENGTH	MIN.18 N/mm	25.7	ASTM D624(DIE C)
TEAR STRENGTH	MIN.8 N/mm	12.9	ASTM D624(DIE B)
TENSILE STRENGTH	MIN.6.9 MPa	9.25	ASTM D412
ELONGATION	MIN.250 %	440	ASTM D412
LINEAR SHRINKAGE	3.6 ~ 4.6 %	4.38	JIS K6249
SPECIFIC GRAVITY	1.13 ~ 1.18	1.152	ASTM D792

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ISSUED DATE : 2016-02-22

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TEST RESULT : PASS

THIS LETTER IS APPROVED BY Q.M MANAGER IN ACCORDANCE WITH COMPUTER DATA CONTROL SYSTEM OF K.C.C  
THIS IS RESULT GOT BY THE AUTHORIZED METHODS OF KS,ASTM AND KCC

Q.M MANAGER / Daejuk Plant #2