ESCORT SEAL
The Manufacturer of Sealing Parts

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TEST REPORT

MATERIAL :OZONE NBR 80 DURO BLACK COMPOUND NO. : N8025B

A) PHYSICAL PROPERTIES
PRESS CURE@170KEGREE C X10 MIN
POST CURE@120DEGREE C X1 HR

	REQUIREMENTS	TEST RESULT
B)HARDNESS , SHORE A	80+/-5	83
TENSILE STRENGTH , MPa ,min	14	16.2
ELONGATION, %,min	125	455
SPECIFIC GRAVITY		1.252
B)HEAT AGING @100℃X70HRS		
HARDNESS CHANGE, POINTS	0~ +15	+0
TENSILE STRENGTH CHANGE, %	-20	+4
ELONGATION CHANGE, %	-40	-9
C)COMPRESSION SET		
CURING CONDITIONS		
PRESS CURE@ 170 DEGREE C X 12 MIN		
POST CURE@ 120 DEGREE C X 1HRS		
HEAT AGING @ 100 DEGREE C X 22 HRS, % ,max	25	24
D)ASTM NO.1 OIL IMMERSIONN @100℃X70HRS		
HARDNESS CHANGE , POINTS	-5~+15	+3
TENSILE STRENGTH CHANGE, %	-25	+10
ELONGATION CHANGE, %	-45	-10
VOLUME CHANGE, %	-10~+5	-7
E)ASTM IRM 903 OIL IMMERSIONN @100℃X70HRS		
HARDNESS CHANGE , POINTS	0~-20	-5
TENSILE STRENGTH CHANGE, %	-45	+3
ELONGATION CHANGE, %	-45	-12
VOLUME CHANGE, %	0~+35	+4

NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND N8025B CAN MEET ASTM D2000 M6BG814 A14 B14 EO14 EO34 Z1
(Z1=OZONE RESISTANCE)

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