



ESCORT SEAL

The Manufacturer of Sealing Parts

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TEST REPORT

MATERIAL : SIL 30 DURO RED

COMPOUND NO. : S3001R

A) PHYSICAL PROPERTIES

PRESS CURE @ 170 DEGREE C X 10MIN

POST CURE @ 200 DEGREE C X 4 HRS

	REQUIREMENT	TEST RESULT
HARDNESS, SHORE A	30+/-5	30
TENSILE STRENGTH, MPa, min	5.0	8.7
ELONGATION, %, min	400	698
SPECIFIC GRAVITY		1.089

B) HEAT RESISTANCE @ 225 DEGREE C X 70 HRS

HARDNESS CHANGE, PTS	+10	+7
TENSILE STRENGTH CHANGE, %	-25	-23
ELONGATION CHANGE, %	-30	+8

C) COMPRESSION SET

CURING CONDITIONS

PRESS CURE @ 170 DEGREE C X 20 MIN

POST CURE @ 200 DEGREE C X 4 HRS

HEAT AGING @ 175 DEGREE C X 22HRS, %, max	25	19
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D) ASTM NO. 1 OIL @ 150 DEGREE C X 70 HRS

HARDNESS CHANGE, POINTS	0~-10	-8
TENSILE STRENGTH CHANGE %	-30	-17
ELONGATION CHANGE, %	-30	+8
VOLUME CHANGE, %	0~+15	+8

E) ASTM NO. 3 OIL @ 150 DEGREE C X 70 HRS

HARDNESS CHANGE, PTS	--	
VOLUME CHANGE, %	+60	+58

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND S3001R CAN MEET ASTM D2000 M2GE305 A19 B37 EO16 EO36

QA Manager: Grace Chen

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Test by: QC08