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## NITRILE 70 LOW TEMP

### TEST REPORT

A	COLOUR	BLACK		
B	OPERATING TEMP RANGE	(-) 55 TO (+) 120 DEG C		
C	COMPLYS TO	ASTM D2000 M5BG710 A14 B14 EO14 EO34 F19		
D	PHYSICAL PROPERTIES	PRESS CURE @ 170 DEG C X 10 MIN POST CURE @ 120 DEG C X 1 HOUR		
			<u>REQUIREMENTS</u>	<u>RESULTS</u>
		HARDNESS SHORE A	70 (+ OR - 5)	73
		TENSILE STRENGTH MPA	10	15.2
		ELONGATION %	250	277
		SPECIFIC GRAVITY		1.209
E	HEAT RESISTANCE	TESTED AT 100 DEG C FOR 70 HOURS		
		HARDNESS CHANGE (POINTS)	(+15	(+8
		TENSILE STRENGTH CHANGE %	(-)20	(-)3
		ELONGATION CHANGE %	(-)40	(-)21
F	COMPRESSION SET	CURING CONDITIONS PRESS CURE @ 170 DEG C X 12 MINS POST CURE @ 120 DEG C X 1 HOUR HEAT AGING @ 100 DEGC X 22 HOURS %	25	9
G	ASTM NO 1	OIL IMMERSION @ 100 DEG C X 70 HOURS		
		HARDNESS CHANGE (POINTS)	(-)5 TO (+)15	(+4
		TENSILE STRENGTH CHANGE %	(-)25	(+7
		ELONGATION STRENGTH CHANGE %	(-)45	(-)15
		VOLUME CHANGE %	(-)10 TO (+)5	(-)3
H	ASTM IRM 903	OIL IMMERSION @ 100 DEG C X 70 HOURS		
		HARDNESS CHANGE (POINTS)	0 TO (-)15	(-)15
		TENSILE STRENGTH CHANGE %	(-)45	(-)21
		ELONGATION STRENGTH CHANGE %	(-)45	(+1
		VOLUME CHANGE %	0 TO (+)35	(+25
L	LOW TEMP BRITTLENESS	TESTS @ (-)55 DEG C FOR 3 MINS		NON BRITTLE

PLEASE NOTE THAT THESE RESULTS ARE FOR REFERENCE PURPOSES ONLY AND EDCO SEAL AND SUPPLY LTD MAKES NO WARRANTY, EXPRESSED OR IMPLIED, THAT PARTS MANUFACTURED IN THIS COMPOUND WILL PERFORM SATISFACTORILY IN THE CUSTOMERS APPLICATION. IT IS THE CUSTOMERS RESPONSIBILITY TO TEST PARTS PRIOR TO USE.