

## **HIGH NITRILE 70**

### TEST REPORT

A	<b>COLOUR</b>	<b>BLACK</b>		
B	<b>OPERATING TEMP RANGE</b>	<b>(-) 30 TO (+) 120 DEG C</b>		
C	<b>COMPLYS TO</b>	<b>ASTM D2000 M2BG714 A14 B14 EO14 EO34 Z1 (Z1 = HIGH ACRYLORITRILE 50%)</b>		
D	<b>PHYSICAL PROPERTIES</b>	<b>PRESS CURE @ 170 DEG C X 10 MIN POST CURE @ 120 DEG C X 1 HOUR</b>		
			<u><b>REQUIREMENTS</b></u>	<u><b>RESULTS</b></u>
		HARDNESS SHORE A	70 (+ OR - 5)	74
		TENSILE STRENGTH MPA	14	14.1
		ELONGATION %	250	342
		SPECIFIC GRAVITY		1.372
E	<b>HEAT RESISTANCE</b>	<b>TESTED AT 100 DEG C FOR 70 HOURS</b>		
		HARDNESS CHANGE (POINTS)	(+ ) OR (-)15	(+ )2
		TENSILE STRENGTH CHANGE %	(+ ) OR (-) 30	(+ )13
		ELONGATION CHANGE %	(-)50	(-)38
F	<b>COMPRESSION SET</b>	<b>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 %</b>	25	23
G	<b>ASTM NO 1</b>	<b>OIL IMMERSION @ 100 DEG C X 70 HOURS</b>		
		HARDNESS CHANGE (POINTS)	(-) 5 TO (+) 10	(+ )2
		TENSILE STRENGTH CHANGE %	(-)25	(-)9
		ELONGATION STRENGTH CHANGE %	(-)45	(-)28
		VOLUME CHANGE %	(-)10 TO (+)5	(+ )4
H	<b>ASTM IRM 903</b>	<b>OIL IMMERSION @ 100 DEG C X 70 HOURS</b>		
		HARDNESS CHANGE (POINTS)	(-)10 TO (+) 5	(-)3
		TENSILE STRENGTH CHANGE %	(-)45	(-)13
		ELONGATION STRENGTH CHANGE %	(-)45	(-)26
		VOLUME CHANGE %	0 TO (+)25	(+ )11

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