



Tel: 0116 275 4720 Fax: 0116 275 4721
 Email: sales@edcoseal.co.uk Web: www.edcoseal.co.uk

HNBR 90 BLACK

TEST REPORT

A	COLOUR	BLACK		
B	OPERATING TEMP RANGE	(-) 20 TO (+) 150 DEG C		
C	COMPLYS TO	ASTM D2000 M3DH910 A26 B36 EO16 EO36		
D	PHYSICAL PROPERTIES	PRESS CURE @ 170 DEG C X 10 MIN POST CURE @ 120 DEG C X 1 HOUR		
			REQUIREMENTS	RESULTS
		HARDNESS SHORE A	90 (+ OR - 5)	86
		TENSILE STRENGTH MPA	10	20.2
		ELONGATION %	100	177
		SPECIFIC GRAVITY		1.259
E	HEAT RESISTANCE	TESTED AT 150 DEG C FOR 70 HOURS		
		HARDNESS CHANGE (POINTS)	(+10)	(+7)
		TENSILE STRENGTH CHANGE %	(-)25	(-)2
		ELONGATION CHANGE %	(-)30	(-)25
F	COMPRESSION SET	CURING CONDITIONS		
		HEAT AGING @ 150 DEG C X 22 HOURS %	30	6
G	FLUID RESISTANCE TEST	OIL IMMERSION @ 100 DEGC X 70 HOURS		
	METHOD D471 NO 1			
		HARDNESS CHANGE (POINTS)	(-)5 TO (+)10	(+2)
		TENSILE STRENGTH CHANGE %	(-)20	(+5)
		ELONGATION STRENGTH CHANGE %	(-)30	(-)12
		VOLUME CHANGE %	(-)5 TO (+)5	(-)0.1
H	FLUID RESISTANCE TEST	OIL IMMERSION @ 100 DEGC X 70 HOURS		
	METHOD D471 NO 3			
		HARDNESS CHANGE (POINTS)	(-)15	(-)9
		TENSILE STRENGTH CHANGE %	(-)30	(-)0.4
		ELONGATION STRENGTH CHANGE %	(-)30	(+10)
		VOLUME CHANGE %	(+25)	(+10)

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.