

Data Sheet: ECO70

MATERIAL: ECO70 – EPICHLOROHYDRIN 70 SHORE (HYDRIN TYPE)

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -50°C to +121°C

SPECIFICATION: ASTM D2000 M3 CH720 A25 B14 EO16 EO36

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	70+/-5	70
TENSILE STRENGTH, MPa	17	21
ELONGATION %	300	370
HEAT AGEING 70 hrs @ 125°C		
HARDNESS CHANGE, POINTS	0/+15	+8
TENSILE STRENGTH CHANGE %	-25	+9.3
ELONGATION CHANGE %	-50	-33.1
COMPRESSION SET		
22hrs @ 100°C %	25	24
FLUID RESISTANCE, NO.1 OIL, 70 hrs @ 150°C		
HARDNESS CHANGE, POINTS	0/+10	+6
TENSILE STRENGTH CHANGE %	-20	-14.7
ELONGATION CHANGE %	-40	-34.0
VOLUME CHANGE %	-15/+5	-4.8
FLUID RESISTANCE, NO.3 OIL, 70 hrs @ 150°C		
HARDNESS CHANGE, POINTS	+/-10	+2
TENSILE STRENGTH CHANGE %	-35	-3.1
ELONGATION CHANGE %	-35	-30.0
VOLUME CHANGE %	0/+25	+12.1

The above test results are based on test slabs / buttons. The results from the actual parts may be different.

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