

EVASEALS®

NEOPRENE (CR) – BLACK 70 SHORE HARDNESS TECHNICAL DATASHEET

CURE SYSTEM: SULPHUR

Temperature Range: -30° C to +120° C
Shelf Life: 15 Years

Specifications Met:

ASTM D2000 M3BC710 A14 B14 EO14 EO34 F17

PHYSICAL PROPERTIES

PARAMETERS	UNIT	ASTM TEST METHOD	REQUIREMENT ASTM D2000	TEST VALUE
Hardness	Shore A	ASTM D 2240	70 ± 5	71
Tensile Strength	Mpa	ASTM D 412	Min 10.00	13.00
Elongation At Break	%	ASTM D 412	Min 250	285
Specific Gravity	g/cm3	ASTM D 297	--	1.42g/cm3

RESISTANCE TO HEAT -- ASTM D 573 (70 Hrs At 100°C) – A14	REQUIREMENT ASTM D2000	TEST VALUE
Hardness Change	±15	+6
Tensile Strength Change %	-15	-9
Elongation Change %	Max -40	-28

COMPRESSION SET -- ASTM D395 – B14	REQUIREMENT ASTM D2000	TEST VALUE
Compression Set % 22hrs @ 100°C	Max 35	20

RESISTANCE TO OIL 101 -- ASTM D 471 (70 Hrs At 100°C) – EO14	REQUIREMENT ASTM D2000	TEST VALUE
Hardness Change	±10	-7
Tensile Strength Change %	Max -30	-10
Elongation Change %	Max -30	-12
Volume Change %	-10 To +5	+6

RESISTANCE TO OIL 903 -- ASTM D 471 (70 Hrs At 100°C) EO34	REQUIREMENT ASTM D2000	TEST VALUE
Tensile Strength Change %	Max -60	-48
Elongation Change %	Max -50	-33
Volume Change %	+100	52

LOW TEMP RESISTANCE -- ASTM D 2137 –	REQUIREMENT ASTM D2000	TEST VALUE
Non-Brittle After 3Min @ -40°C	--	PASS

Ref Date: 01st April 2020