

COMPOUND DATA SHEET

NBR, 60±5 Shore A, Internally Lubricated

This compound will meet or exceed the specifications listed and has the following physical properties:

ASTM D2000 M3CH610 A25 B14 EO16 EO36 Z1 Z2 Z3
 Z1 = internally lubricated
 Z2 = Low temperature resistance per ASTM C-509 (see below)
 Z3 = one white stripe

ORIGINAL PROPERTIES	ASTM METHOD	SPEC	RESULT	PASS/FAIL
Hardness, Shore A	D 2240	60±5	60	PASS
Tensile Strength, MPa	D 412	10 min	12.6	PASS
Ultimate Elongation, %	D 412	300 min	465	PASS

COMPRESSION SET	ASTM METHOD	SPEC	RESULT	PASS/FAIL
Solid: 22 hrs @ 100°C, Method B Solid, %	D 395	25 max	17.5	PASS

HEAT RESISTANCE	ASTM METHOD	SPEC	RESULT	PASS/FAIL
70 HR @ 125°C	D 865			
Hardness Change, pts		0 to +15	+11	PASS
Tensile Strength Change, %		-25 max	+23.7	PASS
Elongation Change, %		-50 max	-38.1	PASS

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FLUID RESISTANCE	ASTM METHOD	SPEC	RESULT	PASS/FAIL
IRM #901 OIL, 70 h @ 150°C	D 471			
Hardness Change, pts		0 to +10	+10	PASS
Tensile Strength Change, %		-20 max	+7.4	PASS
Elongation Change, %		-40 max	-27.5	PASS
Volume Change, %		-15 to +5	-11.8	PASS
IRM #903 OIL, 70 h @ 150°C	D 471			
Hardness Change, pts		±10	-5	PASS
Tensile Strength Change, %		-35 max	-13.8	PASS
Elongation Change, %		-35 max	-27.3	PASS
Volume Change, %		+30 max	+4.41	PASS
LOW TEMP.	ASTM METHOD	SPEC	RESULT	PASS/FAIL
180° bend around 1" mandrel 5 hours @ -40°C	C 509	No Cracks	No Cracks	PASS

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