

Data Sheet: N60 / PVC-SELOC

MATERIAL: NITRILE 60 SHORE / PVC FOR SELOC WASHER

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -35°C to 110°C

PHYSICAL PROPERTIES	TEST METHOD	TEST RESULT
HARDNESS SHORE A	ASTM D2240	63
TENSILE STRENGTH, Psi	ASTM D412	1607
ELONGATION, %	ASTM D412	557
TEAR RESISTANCE, Kgf/cm	ASTM D624	31
MODULUS @ 100%, Psi	ASTM D412	291
MODULUS @ 200%, Psi	ASTM D412	483
MODULUS @ 300%, Psi	ASTM D412	661
SPECIFIC GRAVITY		1.452

COMPRESSION SET

METHOD B 22 hrs @ 100°C, %	ASTM D395	35
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HEAT AGEING, 70 hrs @ 100°C

HARDNESS CHANGE, POINTS	ASTM D573	+3
TENSILE STRENGTH CHANGE, %	ASTM D573	-12
ELONGATION CHANGE, %	ASTM D573	-20
VOLUME CHANGE, %	ASTM D573	-1.7

WATER RESISTANCE, 70 hrs @ 100°C

HARDNESS CHANGE, POINTS	ASTM D471	-14
TENSILE STRENGTH CHANGE, %	ASTM D471	-20
ELONGATION CHANGE, %	ASTM D471	-15
VOLUME CHANGE, %	ASTM D471	+15.9

FLUID RESISTANCE, IRM 901 Oil, 70 hrs @ 100°C

HARDNESS CHANGE, POINTS	ASTM D471	+6
TENSILE STRENGTH CHANGE, %	ASTM D471	-11
ELONGATION CHANGE, %	ASTM D471	-26
VOLUME CHANGE, %	ASTM D471	-8.5

FLUID RESISTANCE, IRM 903 Oil, 70 hrs @ 100°C

HARDNESS CHANGE, POINTS	ASTM D471	-9
TENSILE STRENGTH CHANGE, %	ASTM D471	-12
ELONGATION CHANGE, %	ASTM D471	-23
VOLUME CHANGE, %	ASTM D471	+2

FLUID RESISTANCE, FUEL A, 70 hrs @ 23°C

HARDNESS CHANGE, POINTS	ASTM D471	-11
TENSILE STRENGTH CHANGE, %	ASTM D471	-29
ELONGATION CHANGE, %	ASTM D471	-13
VOLUME CHANGE, %	ASTM D471	+5.3

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PHYSICAL PROPERTIES

TEST METHOD

TEST RESULT

FLUID RESISTANCE, FUEL B. 70 hrs @ 23°C

HARDNESS CHANGE, POINTS	ASTM D471	-23
TENSILE STRENGTH CHANGE, %	ASTM D471	-62
ELONGATION CHANGE, %	ASTM D471	-32
VOLUME CHANGE, %	ASTM D471	+18.7

STEEL COMPOSITION

	A33986	A33987	A33988	A33989	A33990
Thickness (mm)	0.500	0.500	0.500	0.500	0.500
Width (mm)	914	914	914	914	914
Length (mm)	COIL	COIL	COIL	COIL	COIL
Quantity	1	1	1	1	1
Weight (Kg)	5.935	5.700	6.220	6.095	7.135
Heat No.	LS787	LS787	LS787	LS787	LS788
Coil No.	30233731	30233731	3023372	3023372	30233762
Sample ID	30233731	30233731	3023372	3023372	30233762
Hardness	77	77	77	77	76

CHEMICAL COMPOSITION (%)					
Carbon (C), x 10 ²	49	49	49	49	49
Manganese (Mn), x 10 ²	65	65	65	65	64
Phosphorus (P), x 10 ³	18	18	18	18	15
Sulfur (S), x 10 ³	3	3	3	3	3
Silicon (Si), x 10 ²	20	20	20	20	20
Copper (Cu), x 10 ²	Tr	Tr	Tr	Tr	1
Nickle (Ni), x 10 ²	1	1	1	1	1
Chromium (Cr), x 10 ²	13	13	13	13	13
Molybdenum (Mo), x 10 ²					
Aluminum (Al), x 10 ³	31	31	31	31	35
Ni + Cr, x 10 ²	14	14	14	14	14

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

Issue Date: 25.02.2016