

Test data provided by raw material manufacturer or an ISO 17025 registered 3rd party lab.  
Original test data is stored in the Darcoïd Compound Database



6/14/2022

Darcoïd Compound: 5034

## COMPOUND DATA SHEET

Silicone, 70±5 Shore A

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

ASTM D2000 M7GE705B37EA14EO36

ORIGINAL PROPERTIES	TEST METHOD	SPEC	RESULT
Hardness, Shore A	D-2240	70 +/-5	74
Tensile Strength, MPa	D-412	5	7.9
Ultimate Elongation, %	D-412	150	310
Tear Resistance, Die C, Kg/cm	D-624	--	21
Specific Gravity, g/cc	--	--	1.21
Modulus 100%, Mpa	D-412	--	3.6

HEAT RESISTANCE	TEST METHOD	SPEC	RESULT
70 h @ 200°C			
Hardness Change	D-573	--	+4
Tensile Strength Change, %	D-573	--	-4.3
Elongation Change, %	D-573	--	-21.5
Volume Change,%	D-573	--	-0.9
70 h @ 225°C			
Hardness Change	D-573	--	+5
Tensile Strength Change, %	D-573	--	-16.1
Elongation Change, %	D-573	--	-37.9
Volume Change,%	D-573	--	-1.7

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COMPRESSION SET	TEST METHOD	SPEC	RESULT
22 h @ 175°C, %	D-395	30	20
70 h @ 150°C, %	D-395	--	31

FLUID RESISTANCE	TEST METHOD	SPEC	RESULT
Water: 70 h @ 100°C			
Hardness Change, pts	D-471	+/- 5	+1
Tensile Strength Change, %	D-471	--	-7.7
Elongation Change, %	D-471	--	-9.3
Volume Change, %	D-471	+/- 5	+1.3
IRM #901 Oil: 70 h @ 150°C			
Hardness Change, pts	D-471	--	-3
Tensile Strength Change, %	D-471	--	-9.2
Elongation Change, %	D-471	--	-23.2
Volume Change, %	D-471	--	+5.1
IRM #903 Oil: 70 h @ 150°C			
Hardness Change, pts	D-471	-40	-26
Tensile Strength Change, %	D-471	--	-8.7
Elongation Change, %	D-471	--	-24.8
Volume Change, %	D-471	+60	+37.9

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