

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



6/10/2022

Darcoid Compound 5074

## COMPOUND DATA SHEET

Silicone, 70±5 Shore A

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

ORIGINAL PROPERTIES	SPEC	RESULT	EVAL
Hardness, Shore A Durometer	70±5	69	PASS
Tensile Strength, psi, min	650	1001	PASS
Elongation, %, min	125	203	PASS
Tear Resistance, kg/cm	4.38	11	PASS
Modulus at 100%, psi	-	512	-
Modulus at 200%, psi	-	998	-
Specific Gravity, g/cm <sup>3</sup>	-	1.32	-

HEAT RESISTANCE	SPEC	RESULT	EVAL
70 HRS. @ 225°C			
Hardness Change, pts.	+10	+1	PASS
Tensile Strength Change, %	-25	-15	PASS
Elongation Change, %	-40	-9	PASS
Volume Change, %	-	-2.7	-
Bending 180 degree (flat)	No Crack	No Crack	-

COMPRESSION SET (BUTTON)	SPEC	RESULT	EVAL
22 HRS. @ 150°C			
Original Deflection, max	+25	+7	PASS

COMPRESSION SET (SLAB)	SPEC	RESULT	EVAL
70 HRS. @ 150°C			
Original Deflection, max	+25	+15	PASS

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FLUID RESISTANCE (IRM 901)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 150°C	D-471			
Hardness Change, pts.		-15 to +5	-5	PASS
Tensile Strength Change, %		-20	+2	PASS
Elongation Change, %		-15	+11	PASS
Volume Change, %		+15	+3.6	PASS

LOW TEMP BRITTLENESS (F19)	TEST METHOD	SPEC	RESULT	EVAL
3 min @ -65°C	D-2137 (Method C)			
		PASS	PASS	PASS

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