

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



3/28/2022

Darcoïd Compound: 5002

## COMPOUND DATA SHEET

VMQ, 70±5 Shore A

Temperature Range: -65°F to 450°F

ASTM D2000 7GE705 A19 B37 EA14 EO16 E036 F19 G11

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

ORIGINAL PROPERTIES	SPEC	RESULT	EVAL
Hardness, Shore A	70±5	69	PASS
Tensile Strength, psi	725 min	1204	PASS
Ultimate Elongation, %	150 min	265	PASS
Tear Resistance, Die B, kN/m min	9	14	PASS

HEAT AGING	SPEC	RESULT	EVAL
70h @ 225°C			
Hardness Change, pts	+10 max	+6	PASS
Tensile Strength Change, %	-25	-14	PASS
Elongation Change, %	-30	-26	PASS

COMPRESSION SET	SPEC	RESULT	EVAL
22h @ 175°C	30 max	23	PASS

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FLUID RESISTANCE	SPEC	RESULT	EVAL
Water, 70h @ 100°C			
Hardness Change, pts	±5	0	PASS
Volume Change, %	±5	0	PASS
ASTM #1 OIL, 70h @ 150°C			
Hardness Change, pts	0 to +15	-9	PASS
Tensile Strength Change, %	-20	+10	PASS
Elongation Change, %	-20	+3	PASS
Volume Change, %	0 to +15	+4	PASS
ASTM #3 OIL, 70h @ 150°C			
Hardness Change, pts	-40	-19	PASS
Volume Change, %	+60	+35	PASS
LOW TEMPERATURE RESISTANCE	SPEC	RESULT	EVAL
Brittleness, 3 min @ -55°C			
	PASS	PASS	PASS

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