

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



6/1/2022

Darcoïd Compound 6001

## COMPOUND DATA SHEET

FVMQ, 70 Shore A

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

ASTM D2000 M2FK606 A19 EF31 EO36 F19 Z1

Z1 = 70 ± 5 Duro

Temperature Range: -100 to 350°F

ORIGINAL PROPERTIES	TEST METHOD	SPEC	RESULT	EVAL
Hardness, Shore A, pts.	D-2240	70 ± 5	71	PASS
Tensile Strength, psi, min	D-412	870	1432	PASS
Elongation, %, min	D-412	150	227	PASS

(Z2) COMPRESSION SET	TEST METHOD	SPEC	RESULT	EVAL
22 HRS. @ 175°C (347°F)	D-395-B			
Original Deflection, max		+50	+13	PASS

HEAT AGED (A19)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 230°C (447°F)	D-573			
Hardness Change, pts.		+15	+1	PASS
Tensile Change, %		-45	-34	PASS
Elongation Change, %		-45	-22	PASS

FLUID RESISTANCE, FUEL C (EF31)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 23°C (73°F)	D-471			
Hardness Change, pts.		-15 to 0	-8	PASS
Tensile Change, %		-60	-40	PASS
Elongation Change, %		-50	-33	PASS
Volume Change, %		0 to +25	+19	PASS

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OIL IMMERSION, IRM 903 OIL (EO36)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 150°C (302°F)	D-471			
Hardness Change, pts.		-10 to 0	-2	PASS
Tensile Change, %		-35	-23	PASS
Elongation Change, %		-30	-19	PASS
Volume Change, %		0 to +10	+3	PASS

LOW TEMPERATURE RESISTANCE	TEST METHOD	SPEC	RESULT	EVAL
NON BRITTLE AFTER 3 min @ -55°C (-67°F)	D-2137	-	PASS	PASS

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