

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



4/22/2022

Darcoïd Compound 6004

COMPOUND DATA SHEET

FVMQ, 70 Shore A

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

ASTM D2000 M2FK706 A19 EF31 EO36 F19 Z1 Z2
Z1=LIGHT BLUE, Z2=25% Max Compression Set

ORIGINAL PROPERTIES	TEST METHOD	SPEC	RESULT	EVAL
Hardness, Shore A, pts.	D-2240		72	-
Tensile Strength, psi, min	D-412		1056	-
Elongation, %, min	D-412	150	205	PASS
Tear resistance, KN/m	D-624-B		13.6	-
Modulus at 100%	D-412		625	-

(Z2) COMPRESSION SET	TEST METHOD	SPEC	RESULT	EVAL
22 HRS. @ 175°C	D-395			
Original Deflection, max		+25	+13.9	PASS

HEAT AGED (A19)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 225°C	D-573			
Hardness Change, pts.		15	+4	PASS
Tensile Change, %		-45	-24	PASS
Elongation Change, %		-45	-34	PASS
Weight Change			-1.5	-

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FLUID RESISTANCE, FUEL C (EF31)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 23°C	D-471			
Hardness Change, pts.		-15 to 0	-13	PASS
Tensile Change, %		-60	-13	PASS
Elongation Change, %		-50	-13	PASS
Volume Change, %		0 to +25	+19	PASS

OIL IMMERSION, IRM 903 OIL (EO36)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 150°C	D-471			
Hardness Change, pts.		-10 to 0	-1	PASS
Tensile Change, %		-35	+1	PASS
Elongation Change, %		-30	+11	PASS
Volume Change, %		0 to +10	+5.8	PASS

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

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