

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



5/19/2021

Darcoïd Compound 1162

COMPOUND DATA SHEET

VMQ, 70 Shore A

This compound will meet or exceed the specifications listed and has the following physical properties:
ASTM D2000 7GE705 B37 EA14 EO16 EO36 Z1

MATERIAL COMPLIES WITH FDA, USP CLASS VI, USP 87

ORIGINAL PROPERTIES	TEST METHOD	SPEC	RESULT	EVAL
Hardness, Shore A, pts.	D-2240	70±5	71	PASS
Tensile Strength, min, psi	D-412	725	1009	PASS
Elongation, min. %	D-412	150	193	PASS

COMPRESSION SET (B37)	TEST METHOD	SPEC	RESULT	EVAL
22 HRS. @ 347°F	D-395-B			
Original Deflection, max		+30	10	PASS

DRY HEAT RESISTANCE (EA14)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 437°F	D-573			
Hardness Change, pts.		±15	-1	PASS
(Z1) Tensile Strength Change, %, max		-50	-37	PASS
Elongation Change, %, max		-50	-13	PASS

FLUID IMMERSION, IRM 901 (EO16)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 302°F	D-471			
Hardness Change, pts.		-15 to 0	-1	PASS
Tensile Strength Change, %, max		-20	-8	PASS
Elongation Change, %, max		-20	-12	PASS
Volume Change, %		0 to +15	+4	PASS

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FLUID IMMERSION, IRM 903 (EO36)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 302°F	D-471			
Hardness Change, pts.		-40	-11	PASS
Tensile Strength Change, %, max		+60	+37	PASS

FLUID IMMERSION, WATER	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 212°F	D-471			
Hardness Change, pts.		±5	-1	PASS
Tensile Strength Change, %, max		±5	0	PASS

Z1 TENSILE CHANGE AFTER HEAT AGE -50% MAX.

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