

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



6/27/2022

Darcoïd Compound 1145

## COMPOUND DATA SHEET

FVMQ, 80 Shore A

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

ORIGINAL PROPERTIES	TEST METHOD	SPEC	RESULT	EVAL
Hardness, Shore A, pts.	D-2240	80±5	80	PASS
Tensile Strength, psi	D-412	750	949	PASS
Ultimate Elongation, %	D-412	70	166	PASS
Specific Gravity		1.57±0.03	1.56	PASS

LOW TEMPERATURE RESISTANCE	TEST METHOD	SPEC	RESULT	EVAL
TR-10, temperature °F (°C)	D-1329	-70 (-57)	-76.7 (-60.4)	PASS

COMPRESSION SET	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 75±5°F	D-395-B			
Original Deflection, max				
Under 0.110 inch		+25	+8.8	PASS
Over 0.110 inch		+20	+12.0	PASS

DRY HEAT RESISTANCE	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 392°F	D-573			
Hardness Change, pts.		-5 to +10	+2	PASS
Tensile Strength Change, %		-20	-11.5	PASS
Elongation Change, %		-20	-18.1	PASS
Weight Loss, %, max		-2	-0.4	PASS

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COMPRESSION SET	TEST METHOD	SPEC	RESULT	EVAL
22 HRS. @ 347°F	D-395-B			
Original Deflection, %, max				
Under 0.110 inch		+50	+8.8	PASS
Over 0.110 inch		+45	+14.1	PASS

AMS 3021		SPEC	RESULT	EVAL
70 HRS. @ 302°F				
Hardness Change, pts.		±15	-7	PASS
Tensile Strength Change, %		-30	-13.9	PASS
Elongation Change, %		-15	+7.8	PASS
Volume Change, %		+1 to +15	+8.8	PASS
COMPRESSION SET, %, max				
Under 0.110 inch		+65	-	-
Over 0.110 inch		+60	+11.8	PASS

AROMATIC FUEL RESISTANCE, FUEL B	TEST METHOD	SPEC	RESULT	EVAL
22 HRS. @ 73°F	D-471			
Hardness Change, pts.		-20	-9	PASS
Tensile Strength Change, %		-30	-9.8	PASS
Elongation Change, %		-30	+3.4	PASS
Volume Change, %		+1 to +25	+19.5	PASS

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