

Test data provided by raw material manufacturer or an ISO 17025 registered 3rd party lab.  
Original test data is stored in the Darcoid Compound Database



4/9/2021

Darcoid Compound 4031

## COMPOUND DATA SHEET

FKM, 90 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	90±5	89	PASS
Tensile Strength, min, MPa	D-412	10	17.1	PASS
Elongation, min. %	D-412	100	129	PASS

FLUID RESISTANCE,IRM 903 OIL	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 150°C	D-471			
Volume Change, %		+10	+1	PASS

(A1-A10) HEAT AGED RESISITANCE	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 250°C	D-573			
Hardness Change, pts.		+10	-1	PASS
Tensile Strength Change, %		-25	-4	PASS
Elongation Change, %		-25	+5	PASS

COMPRESSION SET (B37)	TEST METHOD	SPEC	RESULT	EVAL
22 HRS. @ 175°C	D-395-B			
Original Deflection, max		+30	+14	PASS

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COMPRESSION SET (B38)	TEST METHOD	SPEC	RESULT	EVAL
22 HRS. @ 200°C	D-395-B			
Original Deflection, max		+50	+8	PASS

FLUID AGING, FUEL C (EF31)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 23°C	D-471			
Hardness Change, pts.		±5	-4	PASS
Tensile Strength Change, %		-25	-12	PASS
Elongation Change, %		-20	+2	PASS
Volume Change, %		0 to +10	+1	PASS

FLUID AGING, FLUID 101 (EO78)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 200°C	D-471			
Hardness Change, pts.		-15 to +5	-10	PASS
Tensile Strength Change, %		-40	-17	PASS
Elongation Change, %		-20	+33	PASS
Volume Change, %		0 to +15	+8	PASS

LOW TEMP RESISTANCE (Z2)	TEST METHOD	SPEC	RESULT	EVAL
	D-1329			
TR-10, Temperature °C		report	-17	PASS

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