

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



4/6/2022

Darcoïd Compound 4789

COMPOUND DATA SHEET

FKM, 75 Shore A

This compound will meet or exceed the specifications listed and has the following physical properties:
ASTM D2000 M2HK810 A1-10 B37 B38 EF31 EO78 Z1
Z1= Shore A Hardness 75 +/-5

ORIGINAL PROPERTIES	TEST METHOD	SPEC	RESULT	EVAL
(Z1) Hardness, Shore A, pts.	D-2240	75±5	74	PASS
Tensile Strength, PSI, min	D-412	1450	2217	PASS
Elongation, %, min.	D-412	150	269	PASS

HEAT RESISTANCE (A1-A10)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 250°C	D-573			
Hardness Change, pts., max		+10	+1	PASS
Tensile Strength Change, %, max.		-25	-11	PASS
Elongation Change, %, max.		-25	+2	PASS

COMPRESSION SET (B37)	TEST METHOD	SPEC	RESULT	EVAL
22 HRS. @ 175°C	D-395-B			
Original Deflection, max		+50	+11	PASS

COMPRESSION SET (B38)	TEST METHOD	SPEC	RESULT	EVAL
22 HRS. @ 200°C	D-395-B			
Original Deflection, max		+50	+15	PASS

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FLUID RESISTANCE, FUEL C (EF31)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 23°C	D-471			
Hardness Change, pts.		±5	-5	PASS
Tensile Strength Change, %, max.		-25	-15	PASS
Elongation Change, %, max.		-20	-3	PASS
Volume Change, %		0 to +10	+3.6	PASS

FLUID RESISTANCE, ASTM #101 OIL (EO78)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 200°C	D-471			
Hardness Change, pts.		-15 to 5	-9	PASS
Tensile Strength Change, %, max.		-40	-16	PASS
Elongation Change, %, max.		-20	-1	PASS
Volume Change, %		0 to +15	+11.5	PASS

LOW TEMPERATURE RESISTANCE	TEST METHOD	SPEC	RESULT	EVAL
TR-10, temperature °C	D-1329	-	-17.4	-

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