

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



4/25/2022

Darcoïd Compound 4781

COMPOUND DATA SHEET

FKM, 75 Shore A

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

ASTM D2000 M2HK710 A1-10 B38 E078 Z1 Z2 Z3 Z4

Z1 = Shore A Hardness 75 +/-5, Z2 = Elongation 125% min, Z3 = Specific Gravity, Z4 = TR-10

ORIGINAL PROPERTIES	TEST METHOD	SPEC	RESULT	EVAL
(Z1) Hardness, Shore A, pts.	D-2240	75±5	78	PASS
Tensile Strength, psi, min	D-412	1450	3059	PASS
(Z2) Ultimate Elongation, %, min.	D-412	125	215	PASS
(Z3) Specific Gravity	D-297	-	1.84	-

FLUID RESISTANCE, IRM 903	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 302°F	D-471			
Volume Change, %		+10	+2	PASS

HEAT RESISTANCE (A1-A10)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 482°F	D-573			
Hardness Change, pts., max		+10	+3	PASS
Tensile Strength Change, %, max.		-25	-22	PASS
Elongation Change, %, max.		-25	+8	PASS

COMPRESSION SET (B38)	TEST METHOD	SPEC	RESULT	EVAL
22 HRS. @ 392°F	D-395-B			
Original Deflection, max		+50	+13	PASS

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FLUID RESISTANCE, ASTM #101 OIL (EO78)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 392°F	D-471			
Hardness Change, pts.		-15 to +5	-8	PASS
Tensile Strength Change, %, max.		-40	-6	PASS
Elongation Change, %, max.		-20	-1	PASS
Volume Change, %		0 to +15	+11	PASS

(Z4) LOW TEMPERATURE RESISTANCE	TEST METHOD	SPEC	RESULT	EVAL
	D-1329			
TR-10, °F (°C), max		-	-22 (-30)	-

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