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

DARCOID
More than a Seal. A Bond.

10/25/2021

Darcoid Compound 4006

COMPOUND DATA SHEET

FKM, 75 Shore A

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

ASTM D2000 4HK715 A1-11 B38 C12 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	78	PASS
Tensile Strength, PSI, min	D-412	1450	1987	PASS
Elongation, %, min.	D-412	175	177	PASS
Specific Gravity	D-297	-	1.85	-

HEAT RESISITANCE (A1-A11)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 275°C	D-573			
Hardness Change, pts., max		+10	+2	PASS
Tensile Strength Change, %, max.		-25	-18	PASS
Elongation Change, %, max.		-25	-8	PASS

COMPRESSION SET (B38)	TEST METHOD	SPEC	RESULT	EVAL
22 HRS. @ 200°C	D-395-B			
Original Deflection, max		+50	+13	PASS

RESISTANCE TO OZONE (C12)	SPEC	RESULT	EVAL
Quality retention rating,min,%	No Cracks	No Cracks	PASS

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REACH COMPLIANCE RoHS

FLUID RESISTANCE, FUEL C (EF31)	SPEC	RESULT	EVAL
70 HRS. @ 23°C			
Hardness Change, pts.	±5	-1	PASS
Tensile Strength Change, %, max.	-25	-7	PASS
Elongation Change, %, max.	-20	-4	PASS
Volume Change, %	0 to +10	+3	PASS

FLUID RESISTANCE, ASTM #101 OIL (EO78)	SPEC	RESULT	EVAL
70 HRS. @ 200°C			
Hardness Change, pts.	-15 to 5	-6	PASS
Tensile Strength Change, %, max.	-40	-2	PASS
Elongation Change, %, max.	-20	-2	PASS
Volume Change, %	0 to +15	+10	PASS

LOW TEMPERATURE RESISTANCE	SPEC	RESULT	EVAL
TR-10, temperature °F, C	-	0 (-18)	-