

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



6/14/2022

Darcoïd Compound: 4021

## COMPOUND DATA SHEET

FKM 75±5 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	D2240	75±5	77	PASS
Ultimate Tensile, MPa	D412	10 min	11.5	PASS
Elongation, %	D412	150 min	185	PASS
Specific Gravity		--	2.11	--

COMPRESSION SET	TEST METHOD	SPEC	RESULT	EVAL
22h @ 200°C, %	D395B	15 max	14.0	PASS

HEAT RESISTANCE	TEST METHOD	SPEC	RESULT	EVAL
70h @ 250°C				
Hardness Change, pts	D573	+10 max	+2	PASS
Tensile Strength Change, %		-25 max	-12	PASS
Elongation Change, %		-25 max	-11	PASS

FLUID RESISTANCE	TEST METHOD	SPEC	RESULT	EVAL
Fuel B, 70h @ 23°C	D471			
Hardness Change, pts		-5 max	-1.5	PASS
Tensile Strength Change, %		-30 max	-7.6	PASS
Elongation Change, %		-15 max	+16	PASS
Volume Change, %		0 to +5	+1	PASS

Diesel Fuel #2, 70h @ 80°C	D471			
Hardness Change, pts		-5 max	-3	PASS
Tensile Strength Change, %		-25 max	-10.2	PASS
Elongation Change, %		-15 max	-9.26	PASS
Volume Change, %		0 to +5	0.98	PASS

LOW TEMPERATURE	TEST METHOD	SPEC	RESULT	EVAL
TR-10	D1329	-15	-18	PASS

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