

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



4/29/2022

Darcoïd Compound: 4048

COMPOUND DATA SHEET

FKM 75±5 Shore A

Service Temperature: -20°F to +400°F

ORIGINAL PROPERTIES	TYPICAL RESULT
Hardness, Shore A	76
Modulus @ 100% Elongation, psi	956
Ultimate Tensile, psi	2148
Ultimate Elongation, %	178
Specific Gravity	1.83
Compression Set 70hr @ 302°F, %	5.0
Glass Transition Temperature by DSC, °F	+3

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Compound V4205A75

Test Results

Media	Hardness Change, Pts.	50% Modulus Change, %	Ultimate Tensile Change, %	Elongation Change, %	Weight Change, %	Volume Change, %
Original	76	801	2052	202	-	-
Fuel A	-1	6	11	4	0	0
Final Value	75	851	2269	210		
Fuel B	-4	9	1	-3	0	1
Final Value	72	874	2072	195		
Fuel C	-3	12	-8	-7	1	2
Final Value	73	898	1890	188		
Methanol	0	-17	-16	0	6	13
Final Value	76	661	1732	201		
JP-4 Jet Fuel	1	1	8	0	0	0
Final Value	77	812	2218	203		
JA Jet Fuel	-1	5	-9	-8	0	1
Final Value	75	843	1865	185		
ASTM #1 Oil	-3	3	-1	-7	0	0
Final Value	73	826	2025	187		
IRM 903	-3	3	-15	-10	1	1
Final Value	73	824	1746	181		
MIL-H-5606	-2	1	-11	-4	1	2
Final Value	74	812	1821	193		
Jet Oil II	-6	-2	-34	-16	6	11
Final Value	70	785	1348	169		
Stauffer 7700	-7	-7	-22	-10	6	11
Final Value	69	746	1592	182		
Rando HD32	-1	6	-8	-10	0	0
Final Value	75	848	1893	181		
Rapeseed Oil	-1	3	-8	-7	0	0
Final Value	75	822	1896	188		
Ethylene Glycol	-3	-5	-20	1	1	1
Final Value	73	763	1638	204		
Distilled Water	-1	3	-8	0	2	3
Final Value	75	824	1888	202		
Oven Air Age	1	9	17	-3	0	0
Final Value	77	872	2408	195		

LL-1227



70 Hrs @ Room Temperature



168 Hrs @ 100° C

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