

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



6/27/2022

Darcoïd Compound 1155

COMPOUND DATA SHEET

NBR, 90 Shore A

This compound will meet or exceed the specifications listed and has the following physical properties:
ASTM D2000 M7BG910 EF11 EF21 EO34 EA14 EO14

Recommended Temperature Range: -30 to 250 °F

ORIGINAL PROPERTIES	SPEC	RESULT	EVAL
Hardness, Shore A, pts.	90±5	87	PASS
Tensile Strength, psi.	1450	2006	PASS
Elongation, %	100	164	PASS

FLUID IMMERSION, WATER (EA14)	SPEC	RESULT	EVAL
70 HRS. @ 212°F			
Hardness Change, pts.	±10	-3	PASS
Volume Change, %	±15	+10	PASS

FLUID IMMERSION, ASTM #1 OIL (EO14)	SPEC	RESULT	EVAL
70 HRS. @ 212°F			
Hardness Change, pts.	-5 to +10	+4	PASS
Tensile Strength Change, %	-25	+15	PASS
Elongation Change, %	-45	-13	PASS
Volume Change, %	-10 to +5	-5	PASS

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FLUID IMMERSION, ASTM #3 OIL (EO34)	SPEC	RESULT	EVAL
70 HRS. @ 212°F			
Hardness Change, pts.	-10 to +5	-5	PASS
Tensile Strength Change, %	-45	+13	PASS
Elongation Change, %	-45	-11	PASS
Volume Change, %	0 to +25	+9	PASS

FLUID IMMERSION, FUEL A (EF11)	SPEC	RESULT	EVAL
70 HRS. @ RT			
Hardness Change, pts.	±10	-3	PASS
Tensile Strength Change, %	-25	+12	PASS
Elongation Change, %	-25	+7.0	PASS
Volume Change, %	-5 to +25	+1.0	PASS

FLUID IMMERSION, FUEL B (EF21)	SPEC	RESULT	EVAL
70 HRS. @ RT			
Hardness Change, pts.	0 to -30	-19	PASS
Tensile Strength Change, %	-60	-13	PASS
Elongation Change, %	-60	-20	PASS
Volume Change, %	0 to +40	+25	PASS

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