

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



11/29/2021

Darcoïd Compound: 1040

## COMPOUND DATA SHEET

NBR, 80±5 Shore A

ASTM D2000 M2BG814 A14 B14 EA14 EF11 EF21 EO14 EO34

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	D-2240	80±5	82	PASS
Tensile Strength, psi	D-412	2031 min	2131	PASS
Ultimate Elongation, %	D-412	125 min	178	PASS
Tear Resistance, kgf/cm	D-624 (Die C)	--	40	--
Modulus at 100%, psi	D-412	--	1257	--
Specific Gravity	--	--	1.283	--

HEAT RESISTANCE	TEST METHOD	SPEC	RESULT	EVAL
A14 70 HR @ 100°C	D-573			
Hardness Change, pts		±10	+2	PASS
Tensile Strength Change, %		±30	+2	PASS
Elongation Change, %		-50	-17	PASS
Volume Change, %		--	-0.9	--

COMPRESSION SET	TEST METHOD	SPEC	RESULT	EVAL
B14	D-395 METHOD B			
22 HR @ 100°C, %		25 max	7	PASS

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FLUID RESISTANCE	TEST METHOD	SPEC	RESULT	EVAL
EA14 WATER, 70 h @ 100°C	D-471			
Hardness Change, pts		±10	-3	PASS
Tensile Strength Change, %		--	+4	--
Elongation Change, %		--	-6	--
Volume Change, %		±5	+5.3	PASS
EO14 IRM 901, 70 h @ 100°C	D-471			
Hardness Change, pts		-5 to +10	+8	PASS
Tensile Strength Change, %		-25	+4	PASS
Elongation Change, %		-45	-17	PASS
Volume Change, %		-10 to +5	-8.2	PASS
EO34 IRM 903, 70 h @ 100°C	D-471			
Hardness Change, pts		-10 to +5	-1	PASS
Tensile Strength Change, %		-45	-7	PASS
Elongation Change, %		-45	-30	PASS
Volume Change, %		0 to +25	+3.7	PASS
EF11 REFERENCE FUEL A, 70 h @ 23°C	D-471			
Hardness Change, pts		±10	-2	PASS
Tensile Strength Change, %		-25	-6	PASS
Elongation Change, %		-25	-5	PASS
Volume Change, %		-5 to +10	+1.2	PASS
EF21 REFERENCE FUEL B, 70 h @ 23°C	D-471			
Hardness Change, pts		-30 to 0	-18	PASS
Tensile Strength Change, %		-60	-28	PASS
Elongation Change, %		-60	-22	PASS
Volume Change, %		0 to +40	+24.5	PASS

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