

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



11/10/2021

Darcoïd Compound: 2001

COMPOUND DATA SHEET

EPDM, 75±5 Shore A

ASTM D2000 M3DA 808 A26 B36 G21 Z1 Z2 Z3 Z4 Z5 Z6

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

ORIGINAL PROPERTIES, ASTM D412

	SPEC	RESULT	EVAL
Hardness, Shore A (Z1)	75±5	78	PASS
Tensile Strength, psi	1160 min	1580	PASS
Ultimate Elongation, %	150 min	174	PASS

A26 HEAT RESISTANCE, ASTM D573

	SPEC	RESULT	EVAL
70 HR @ 150°C			
Hardness Change, pts	±10	+7	PASS
Tensile Strength Change, %	±30	-13.5	PASS
Elongation Change, %	-50 max	-13.2	PASS

B36 COMPRESSION SET, ASTM B395

	SPEC	RESULT	EVAL
22 HR @ 150°C, %	30 max	25	PASS

G21 TEAR RESISTANCE, ASTM D624, Die C

	SPEC	RESULT	EVAL
KN/m	17 min	21.3	PASS

HEAT RESISTANCE, SAE J2236

	SPEC	RESULT	EVAL
1000 HR @ 135°C (Z2)			
Tensile Strength Change, %	-70	-56.8	PASS
Elongation Change, %	-70	-57.1	PASS

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GM8277M COOLANT, ASTM D471 (Z3)	SPEC	RESULT	EVAL
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70 HR @ 150°C			
Tensile Strength Change, %	-50	-5.4	PASS
Elongation Change, %	-35	+9.2	PASS
Volume Change, %	+35	-0.7	PASS

COMPRESSIVE STRESS RELAXATION (Z4)	SPEC	RESULT	EVAL
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Test Method ISO 3384, % sealing force retained	20 min	54.4	PASS
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LOW TEMPERATURE RESISTANCE (Z5)	SPEC	RESULT	EVAL
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TR-10 ASTM D1329, °C	-40	-49	PASS
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TEST ON 2-214 O-RINGS (Z6)	SPEC	RESULT	EVAL
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Heat Aging, 70 HR @ 150°C, ASTM D865			
Hardness Change, pts	+10	+5	PASS
Tensile Strength Change, %	-20	-16.2	PASS
Elongation Change, %	-20	+24.7	PASS

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