

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



4/22/2022

Darcoïd Compound 8067

COMPOUND DATA SHEET

HNBR, 70 Shore A

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

ASTM D2000 M2DH716 A26 B16 EO16 EO36 Z1 Z2

Z1 = Elongation min, 175%, Z2 = TR-10

ORIGINAL PROPERTIES	TEST METHOD	SPEC	RESULT	EVAL
Hardness, Shore A, pts.	D-2240	70±5	72	PASS
Tensile Strength, psi	D-412	2321	3020	PASS
(Z1) Ultimate Elongation, %	D-412	175	213	PASS

HEAT AGE (A26)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 302°F	D-573			
Hardness Change, pts.		+10	+4	PASS
Tensile Strength Change, %		-25	-8	PASS
Ultimate Elongation Change, %		-30	+14	PASS

COMPRESSION SET (B16)	TEST METHOD	SPEC	RESULT	EVAL
22 HRS. @ 302°F	D-395-B			
Original Deflection, max		+30	+8	PASS

FLUID RESISTANCE, IRM 901 (EO16)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 302°F	D-471			
Hardness Change, pts.		0 to +10	+2	PASS
Tensile Strength Change, %		-20	-2	PASS
Ultimate Elongation Change, %		-30	+9	PASS
Volume Change, %		±5	-1	PASS

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FLUID RESISTANCE, IRM 903 (EO36)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 302°F	D-471			
Hardness Change, pts.		-15	-10	PASS
Tensile Strength Change, %		-40	-8	PASS
Ultimate Elongation Change, %		-40	-5	PASS
Volume Change, %		25	+22	PASS

LOW TEMPERATURE RESISTANCE (Z2)	TEST METHOD	SPEC	RESULT	EVAL
TR-10, temperature °F (°C)	D-1329	-24 (-31)	-29 (-34)	PASS

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