

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 8017

COMPOUND DATA SHEET

HNBR, 50 Shore A

This compound will meet or exceed the specifications listed and has the following physical properties:
ASTM D2000 M4DH508 A26 B16 EO36 F17

ORIGINAL PROPERTIES	TEST METHOD	SPEC	RESULT	EVAL
Hardness, Shore A, pts.	D-2240	50±5	54	PASS
Tensile Strength, Mpa	D-412	8	18.1	PASS
Elongation, %	D-412	250	425	PASS
Tear resistance, Kg/cm	D-624-C	-	31	-
Specific Gravity	-	-	1.158	-

HEAT AGE (A26)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 150°C				
Hardness Change, pts.	D-573	+10	+9	PASS
Tensile Strength Change, %	D-573	-25	-3	PASS
Elongation Change, %	D-573	-30	-16	PASS
Volume Change, %	D-573	-	-9	-

COMPRESSION SET (B16)	TEST METHOD	SPEC	RESULT	EVAL
22 HRS. @ 150°C				
Original Deflection, max	D-395-B	+30	+19	PASS

FLUID RESISTANCE, IRM 901 (EO16)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 150°C				
Hardness Change, pts.	D-471	-	+8	PASS
Tensile Strength Change, %	D-471	-	+6	PASS
Elongation Change, %	D-471	-	-5	PASS
Volume Change, %	D-471	-	-17	PASS

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FLUID RESISTANCE, IRM 903 (EO36)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 150°C				
Hardness Change, pts.	D-471	+15	0	PASS
Tensile Strength Change, %	D-471	-40	-7	PASS
Elongation Change, %	D-471	-40	-6	PASS
Volume Change, %	D-471	+25	-3	PASS

FLUID RESISTANCE, ATF	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 150°C				
Hardness Change, pts.	D-471	-	+6	PASS
Tensile Strength Change, %	D-471	-	-2	PASS
Elongation Change, %	D-471	-	-5	PASS
Volume Change, %	D-471	-	-16	PASS

F17 LOW-TEMPERATURE	TEST METHOD	SPEC	RESULT	EVAL
3 min @ -40°C	D-2137-A	-	PASS	PASS

OZONE RESISTANCE	TEST METHOD	SPEC	RESULT	EVAL
50pphm * 40°C + 72hr 20%Elongatiom	D-1171	-	PASS	PASS

950 3rd Street | Oakland, California 94607 | (800) 632-7264

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