

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



6/9/2022

Darcoïd Compound 8070

COMPOUND DATA SHEET

HNBR, 60 Shore A

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

ASTM D2000 M2DH610 A26 B16 EO36 F17

ORIGINAL PROPERTIES	TEST METHOD	SPEC	RESULT	EVAL
Hardness, Shore A, pts.	D-2240	60±5	62	PASS
Tensile Strength, Mpa	D-412	10	20.8	PASS
Elongation, %	D-412	200	425	PASS
Tear resistance, Kg/cm	D-624-C	-	47	-
Module at 100%	D-412	-	319	-
Module at 200%	D-412	-	899	-
Module at 300%	D-412	-	1812	-
Specific Gravity	-	-	1.127	-

HEAT AGE (A26)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 150°C				
Hardness Change, pts.	D-573	+10	+4	PASS
Tensile Strength Change, %	D-573	-25	-9	PASS
Elongation Change, %	D-573	-30	-11	PASS
Volume Change, %	D-573	-	-3	-

COMPRESSION SET (B16)	TEST METHOD	SPEC	RESULT	EVAL
22 HRS. @ 150°C				
Original Deflection, max	D-395-B	+30	+24	PASS

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FLUID RESISTANCE, IRM 901 (EO16)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 150°C				
Hardness Change, pts.	D-471	-	+3	PASS
Tensile Strength Change, %	D-471	-	+2	PASS
Elongation Change, %	D-471	-	-3	PASS
Volume Change, %	D-471	-	-11	PASS

FLUID RESISTANCE, IRM 903 (EO36)	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 150°C				
Hardness Change, pts.	D-471	+15	-6	PASS
Tensile Strength Change, %	D-471	-40	-8	PASS
Elongation Change, %	D-471	-40	-2	PASS
Volume Change, %	D-471	+25	+5	PASS

FLUID RESISTANCE, ATF	TEST METHOD	SPEC	RESULT	EVAL
70 HRS. @ 150°C				
Hardness Change, pts.	D-471	-	+1	PASS
Tensile Strength Change, %	D-471	-	-2	PASS
Elongation Change, %	D-471	-	-7	PASS
Volume Change, %	D-471	-	-6	PASS

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

LOW-TEMPERATURE	TEST METHOD	SPEC	RESULT	EVAL
3 min @ -45°C	D-2137	-	PASS	PASS

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