

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: 9132

COMPOUND DATA SHEET

Disogrin, 90±5 Shore A

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		90±5	93	PASS
Tensile Strength, PSI		5000 MIN	6217	PASS
Ultimate Elongation, %		450 MIN	566	PASS
Tear Resistance, Kg/cm	D-624 (Die C)	500 MIN	690	PASS
Specific Gravity, g/cc		--	1.17	--
Modulus @ 100%		--	1834	--
Modulus @ 300%		--	3342	--

A13 (HEAT RESISITANCE)	TEST METHOD	SPEC	RESULT	EVAL
70 h @ 100°C	D-573			
Hardness Change, Shore A		+15 MAX	-1	PASS
Tensile Strength Change, %		-20 MAX	-10	PASS
Elongation Change, %		-40 MAX	-7	PASS

COMPRESSION SET	TEST METHOD	SPEC	RESULT	EVAL
70 h @ 70°C	D-395 METHOD B	+35 MAX	+21	PASS

B13 (COMPRESSION SET)	TEST METHOD	SPEC	RESULT	EVAL
70 h @ 100°C	D-395 METHOD B	+65 MAX	+62	PASS

EO (OIL RESISITANCE)	TEST METHOD	SPEC	RESULT	EVAL
70 h @ 100°C	D-471			
Hardness Change, Shore A		-5 to +15	NC	--
Tensile Strength Change, %		-25 MAX	-12	PASS
Elongation Change, %		-45 MAX	+5	PASS
Volume Change, %		-10 to +5	NC	--

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EO (OIL RESISTANCE IRM #903)	TEST METHOD	SPEC	RESULT	EVAL
70 h @ 100°C	D-471			
Hardness Change, Shore A		0 to +15	-3	PASS
Tensile Strength Change, %		-45 MAX	-12	PASS
Elongation Change, %		-45 MAX	-4	PASS
Volume Change, %		0 to +35	+4	PASS

EA14 (WATER)	TEST METHOD	SPEC	RESULT	EVAL
70h @ 100	D-471			
Hardness Change, pts		-10 to +10	-1	PASS
Tensile Strength Change, %		-50 MAX	-15	PASS
Elongation Change, %		-50 MAX	+5	PASS
Volume Change, %		0 to +25	+4	PASS

F (FUEL RESISTANCE)	TEST METHOD	SPEC	RESULT	EVAL
70h @ RT	D-471			
Hardness Change, pts		-10 to +10	-3	PASS
Tensile Strength Change, %		-60 MAX	-18	PASS
Elongation Change, %		-60 MAX	-2	PASS
Volume Change, %		0 to +40	+7	PASS

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