

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



6/14/2022

Darcoïd Compound: 2129

## COMPOUND DATA SHEET

EP, Peroxide Cured, 70±5 Shore A

ASTM D2000 M4CA710 A25 B35 EA14 C12 F17 Z1

Z1= Elongation 125% MIN

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	D-2240	70±5	73.8	PASS
Tensile Strength, psi	D-412	1450 min	1969	PASS
Ultimate Elongation, %	D-412	125 min	150	PASS
Tear Resistance, kgf/cm	D-624 (Die C)	--	28	--
Modulus at 100%	D-412	--	999	--
Specific Gravity	--	--	1.127	--

HEAT RESISTANCE	TEST METHOD	SPEC	RESULT	EVAL
A25 70 HR @ 125°C	D-573			
Hardness Change, pts		+10	+1.5	PASS
Tensile Strength Change, %		-20 max	-10	PASS
Elongation Change, %		-40 max	-3	PASS
Volume Change, %		--	-1.3	--
A 70 HR @ 150°C	D-573			
Hardness Change, pts		--	+2.9	--
Tensile Strength Change, %		--	-19	--
Elongation Change, %		--	-10	--
Volume Change, %		--	-1.8	--

COMPRESSION SET	TEST METHOD	SPEC	RESULT	EVAL
B35	D-395 METHOD B			
22 HR @ 125°C, % (SLAB)		70 max	14	PASS
22 HR @ 150°C, % (SLAB)		--	21	--
70 HR @ 100°C, % (SLAB)		--	13	--

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FLUID RESISTANCE	TEST METHOD	SPEC	RESULT	EVAL
EA14 WATER RESISTANCE, 70 h @ 100°C	D-471			
Hardness Change, pts		--	-1.8	--
Tensile Strength Change, %		--	-13	--
Elongation Change, %		--	-3	--
Volume Change, %		±5	+2.1	PASS
OTHER PHYSICAL PROPERTIES	TEST METHOD	SPEC	RESULT	EVAL
C12 Ozone Resistance, 50pphm, 72h @ 40°C	--	NO CRACK	NO CRACK	PASS
F17 Low Temperature Resistance				
Nonbrittle after 3 min @ -40°C	D-2137	PASS	PASS	PASS

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