

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: 1248

COMPOUND DATA SHEET

NBR, Black, 90±5 Shore A

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

SAE J200/ASTM D2000 M7BG910 EA14 EO14 EO34 EF11 EF21 Z1(12 MPa min. Tensile Str)


ORIGINAL PROPERTIES		SPEC	RESULT
Hardness, Shore A		90 ± 5	90
Tensile Strength, psi		1740 min	2006
Ultimate Elongation, %		100 min	164

COMPRESSION SET		SPEC	RESULT
B14 22 h @ 100°C, % max		25	16

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FLUID RESISTANCE				SPEC	RESULT
EA14, Water: 70 h @ 100°C					
	Hardness Change, pts, max			±10	-3
	Volume Change, %, max			±15	+10
EF11 ASTM Fuel A, 70 h @ 23°C					
	Hardness Change, pts, max			±10	-3
	Tensile Strength Change, %, max			-25	+12
	Elongation Change, %, max			-25	+7.0
	Volume Change, %, max			-5 to +25	+1.0
EF21 ASTM Fuel B, 70 h @ 23°C					
	Hardness Change, pts, max			-30 to 0	-19
	Tensile Strength Change, %, max			-60	-13
	Elongation Change, %, max			-60	-20
	Volume Change, %, max			-0 to +40	+25
EO14 ASTM Oil #1, 70 h @ 100°C					
	Hardness Change, pts, max			-5 to +10	+4
	Tensile Strength Change, %, max			-25	+15
	Elongation Change, %, max			-45	-13
	Volume Change, %, max			-10 to +5	-5
EO34 ASTM Oil #3, 70 h @ 100°C					
	Hardness Change, pts, max			-10 to +5	-5
	Tensile Strength Change, %, max			-45	+13
	Elongation Change, %, max			-45	-11
	Volume Change, %, max			0 to +25	+9
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