

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



1/17/2020

Darcoïd Compound: 1219

COMPOUND DATA SHEET

VMQ, White, 60±5 Shore A

ASTM D2000 M4GE606 A19 B37 EA14 EO16 EO36 G11

Produced with FDA whitelisted ingredients.

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

ORIGINAL PROPERTIES	SPEC	RESULT	EVAL
Hardness, Shore A	60±5	63	PASS
Tensile Strength, psi	870	1135	PASS
Ultimate Elongation, %	200 min	415	PASS
Modulus at 100%, psi	--	307	--
Specific Gravity	--	1.26	--

COMPRESSION SET	SPEC	RESULT	EVAL
22 h @ 175°C, % max	50	25	PASS

HEAT RESISTANCE	SPEC	RESULT	EVAL
Hardness Change, pts	10	-5	PASS
Tensile Strength Change, %	-30	-18	PASS
Elongation Change, %	-30	-26	PASS

FLUID RESISTANCE	SPEC	RESULT	EVAL
Water: 70 h @ 100°C			
Hardness Change, pts	±5	0	PASS
Volume Change, %	±5	-4.3	PASS
IRM 901 Oil, 70 h @ 150°C			
Hardness Change, pts	-15 to +0	-8	PASS
Tensile Strength Change, %	-20 max	-6	PASS
Elongation Change, %	-20 max	-1	PASS
Volume Change, %	0 to +15	1.1	PASS
IRM 903 Oil, 70 h @ 150°C			
Hardness Change, pts	-35	-26	PASS
Volume Change, %	60	29	PASS

TEAR RESISTANCE	SPEC	RESULT	EVAL
Die B, kN/m	9	19	PASS

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