

THE MAT KING



— Mats —
Absolutely
every kind!

Drew Kopf

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Specification Sheet

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Material	Neoprene Rubber Sheet
TMK P/N	3500-164-3601 ET AL
Finish	Smooth (Fabric Finish is Available)
ASTM Callout	ASTM D2000 2BC615A14B14C12EA14EO14EO34F17G21Z, Z= Compliance to FMV-SS-302

Basic Requirements

Requirement	Condition	Specification Requirements
Hardness, Original	ASTM D2240	60±5
Tensile, Original	ASTM D412 - PSI Min	1,500
Elongation, Original	ASTM D412 - %	350

Heat Aged, Test Method D 573, 70 h @ 100°C

Tensile Change	PSI	± 30% Max
Elongation Change	%	-50% Max
Hardness Change	Points	± 15

Oil Immersion, Test Method D471, IRM 903 Oil, 70 h @ 100°C

Volume	% Max	+120
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Compression Set, Test Method ASTM D395 S, max, % 22 h @ 100C

Compression Set	%	80% Max
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Additional Requirements

A14 - Heat Resistance, D573, 70 hours @ 100C°

Hardness Change	Points	+ 15
Tensile Change	PSI %	- 15 Max
Elongation Change	% Max	-40% Max

B14 - Compression Set, Test Method D395 Method B, 22 h @ 100°C, max. %

Compression Set	% Max	35% Max
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C12 - Resistance to Ozone, Test Method D1171

		100
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EA14 - Water Resistance. Test Method D471, 70h @ 100°C

Hardness	Points	± 15
Volume Change	%	30

EO14 - Fluid Resistance, Test Method D471IRM 901 Oil, 70 h @ 100 C°

Hardness	Points	± 10
Tensile Change	PSI	- 30% Max
Elongation Change	% Max	-30% Max
Volume	% Max	-10 to +15

EO34 - Fluid Resistance, Test Method D471IRM 903 Oil, 70 h @ 100 C°

Tensile Change	PSI	- 70% Max
Elongation Change	% Max	-55% Max
Volume	% Max	+ 120

F17 - Low Temperature Resistance, Test Method D2137, Method A, 9.3.2, @-40 C°

	Non-brittle after 3 min.	Pass
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G21 - Tear Resistance, Test Method D624, Die C: Under 7.0 MPa tensile load, min kN/m 7.0 to 10MPa tensile load, min, kN/m 10MPa tensile load and over, min, kN/m

		Pass
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Z, Z= Compliance to FMV-SS-302

		Pass
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