



Specification Sheet

Material	Neoprene Rubber Sheet
BRP Style	BC415
Finish	Smooth (Fabric Finish is Available)
ASTM Callout	ASTM D2000 2BC415A14B14C12EA14EO14EO34F17

Basic Requirements

Requirement	Condition	Specification Requirements
Hardness, Original	ASTM D2240	40±5
Tensile, Original	ASTM D412 - PSI Min	1,500
Elongation, Original	ASTM D412 - %	500

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, @-40C°

	Non-brittle after 3 min.	Pass
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Effective Temperature Range -40° F - 220° F