



Specification Sheet

Material	Neoprene Rubber Sheet
BRP Style	BC312
Finish	Smooth (Fabric Finish is Available)
ASTM Callout	ASTM D2000 2BC312A14B14C12EO34F17

Basic Requirements

Requirement	Condition	Specification Requirements
Hardness, Original	ASTM D2240	30±5
Tensile, Original	ASTM D412 - PSI Min	1,200
Elongation, Original	ASTM D412 - %	400

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 22 hr @ 100C

Compression Set	%	80% Max
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Operating Temperature Range -40 - 220° F

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

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

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

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

	Non-brittle after 3 min.	Pass
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