

BRP Manufacturing Company
 637 North Jackson Street
 Lima, Ohio 45802
 Phone: 419-228-4441
 Fax: 419-222-5010
 Toll free: 800-858-0482



Specification Sheet

Material	Nitrile Rubber Sheet
BRP Style	BG515
Finish	Smooth (Fabric Finish is Available)
ASTM Callout	ASTM D2000 2BG515A14B14EO34F17

Basic Requirements

Requirement	Condition	Specification Requirements
Hardness, Original	ASTM D2240	50±5
Tensile, Original	ASTM D412 - PSI Min	1,500
Elongation, Original	ASTM D412 - %	300

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 Change	% Max	+40
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Compression Set, Test Method ASTM D395 S, max, % 22 h @ 100C

Compression Set	%	50% Max
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Additional Requirements

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

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

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

Compression Set	% Max	25% Max
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EO34 - Fluid Resistance, Test Method D471IRM 903 Oil, 70 h @ 100 C°

Hardness, points		-10 to + 5
Tensile Change	PSI	- 45% Max
Elongation Change	% Max	-45% Max
Volume	% Max	0 top +25

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

	Non-brittle after 3 min.	Pass
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Operating Temperature Range -20° - 212° F