

**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

<b>Material</b>	<b>Nitrile Rubber Sheet</b>
BRP Style	BG415
Finish	Smooth (Fabric Finish is Available)
ASTM Callout	ASTM D2000 2BG415A14B14EO34F17

## Basic Requirements

Requirement	Condition	Specification Requirements
Hardness, Original	ASTM D2240	40±5
Tensile, Original	ASTM D412 - PSI Min	1,500
Elongation, Original	ASTM D412 - %	450

### 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