

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 - Ultra Strength
BRP Style	BG725 - Style 407
Finish	Smooth
ASTM Callout	ASTM D2000 2BG725A14B14EO34F17

Basic Requirements

Requirement	Condition	Specification Requirements
Hardness, Original	ASTM D2240	70±5
Tensile, Original	ASTM D412 - PSI Min	2,500
Elongation, Original	ASTM D412 - %	300

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

Tensile Change	PSI	-20 % Max
Elongation Change	%	-25 % Max
Hardness Change	Points	± 10

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, % 70 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 - Oil Resistance, Test Method D471 NO 3 Oil, 70 h @ 100 C°

Change Hardness	Pts	-5 to + 10
Change Tensile	% max	-45
Change Elongation	% max	- 45
Volume	%	0 to +25

F17 - Low Temperature Brittleness, Test Method D2137 Method A, 9.2.2 non brittle after 3 mins. @ -40° C

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Operating Temperature Range -20° - 212° F