

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	BG715 - Style 4624
Finish	Smooth
ASTM Callout	ASTM D2000 5BG720A14B14EF21EF31EO14E034F17Z, Z = FMV-SS-302

Basic Requirements

Requirement	Condition	Specification Requirements
Hardness, Original	ASTM D2240	70±5
Tensile, Original	ASTM D412 - PSI Min	2,000
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, % 70 h @ 100C

Compression Set	%	50% Max
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Additional Requirements

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

Tensile Change	PSI	- 20% Max
Elongation Change	%	-40% 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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EF21 Fluid Resistance, Test Method D471, Fuel B , 70 h @ 23°C

Change in Hardness	-10 to +5	0 to -30
Change Tensile Strength, % Max.	%	-60
Change in Elongation		-60
Change in Volume		0 to + 40%

EF21 Fluid Resistance, Test Method D471, Fuel B , 70 h @ 23°C

Change in Hardness	-10 to +5	0 to -30
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EO14 - Fluid Resistance, Test Method D471, IRM 901 Oil, 70 h @ 100°C

Change in Hardness		± 15
Change Tensile Strength, % Max.	%	-25
Change in Elongation	%	-45
Change in Volume		-10 to + 5%

EO34 - Fluid Resistance, Test Method D471, IRM 903 Oil, 70 h @ 100°C

Change in Hardness		-10 to +5
Change Tensile Strength, % Max.	%	-45
Change in Elongation		-45
Change in Volume		0 to + 25%

F17 - Low Temperature Resistance , Test D 2137 Method C, 9.3.3.3 non-brittle after 3 min @ -40°C

		Pass
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Flame Test FMVSS 302

Burn Rate	2" min.	Pass
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Temperature Range -40° to 212° F