

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



Specification Sheet

Material	White Vinyl Nitrile Rubber Sheet
BRP Style	S87245
Finish	Smooth
ASTM Callout	ASTM D2000 5BG715A14B14EO34F17Z, Z = Meets CFR177.2600 Title 21

Basic Requirements

Requirement	Condition	Specification Requirements
Hardness, Original	ASTM D2240	70±5
Tensile, Original	ASTM D412 - PSI Min	1,500
Elongation, Original	ASTM D412 - %	250

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

Change in Hardness		0 to - 15
Change Tensile Strength, % Max.	%	-45
Change in Elongation		-45
Change in Volume		0 to + 35%

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

Change in Hardness	-10 to +5	25% Max
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Meets CFR177.2600 Title 21 (FDA Approved Ingredients)

Operating Temperature -20°F to 220° F