

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 Screen Print Rubber Sheet
BRP Style	S5433
Finish	Smooth
ASTM Callout	ASTM D2000 5BG715A14B14EO34F17

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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Operating Temperature -20°F to 220° F