

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	Epichlorohydrin Rubber Sheet
BRP Style	CH711 - Style 4820 - H523
Finish	Smooth or Nylon
ASTM Callout	ASTM D2000 M2CH705A25B34EF31EO15EO35F17

Basic Requirements

Requirement	Condition	Specification Requirements
Hardness, Original	ASTM D2240	70±5
Tensile, Original	ASTM D412 - PSI Min	1,200
Elongation, Original	ASTM D412 - %	200

Heat Aged, Test Method D 865, 70 h @ 125°C

Tensile Change	Max. %	± 30
Elongation Change	Max. %	- 50
Hardness Change	Points	± 15 Pts.

Oil immersion, Test Method D471, IRM 903 Oil, 70 h @ 125°C

Volume Change	% Max	+30
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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

A25 - Heat Resistance, D865, 70 hours @ 125C°

Hardness Change	Points	- 0/+15
Tensile Change	Max. %	- 25% Max
Elongation Change	Max. %	- 50 Max.

B34 - Compression Set, Test Method B D395 Method B, 22 h @ 100°C, max. %

Compression Set	% Max	25% Max
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C12 - Resistance to Ozone, Test Method D 1171

		Pass
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EF31 Fuel C Volume Test Method D471, 70 h @ 23° C

Volume Change	% Max	0/+50
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EO15 Test Method D471, IRM 901 Oil, 70 h @ 125° C

Volume Change	% Max	- 15/+5
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EO35 Test Method D471, IRM 903 Oil, 70 h @ 125° C

Volume Change	% Max	0/+25
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F17 - Low Temperature Resistance, Test Method D2137 Method C, 9.3.3 non brittle after 3 mins. @ -40° C

		Pass
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Operating Temperature: -40 to 250° F