

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	Grey Epichlorohydrin
BRP Style	CH712 - Style 4821 Gray
Finish	Smooth / Nylon available
ASTM Callout	ASTM D2000 5CH712A25B14C12EO36F16G21Z, Z = 70 duro

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	PSI	± 30 % Max
Elongation Change	%	-50 % Max
Hardness Change	Points	± 15

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 , max, % 22 h @ 100C

Compression Set	%	50% Max
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Additional Requirements

A14 Heat Resistance, D573, 70 hours @ 125 C°

Tensile Change	PSI	- 10% Max
Elongation Change	%	-40% Max
Hardness Change	Points	0 to + 10

B14 - Compression Set, Test Method D395 Method B, 22 h @ 100°C, max. %

Compression Set	% Max	30 % Max
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C12 - Resistance to Ozone, Test Method D1171

		100
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EO36 - Fluid Resistance, Test Method D471,IRM 903 Oil, 70 h @ 150°C

Change in Hardness		-5 to + 10
Change Tensile Strength, % Max.	%	-10
Change in Elongation		-50
Change in Volume		0 to + 10%

F16 - Low Temperature Resistance , Test D 2137 Method C, 9.3.3.3 non-brittle after 3 min @ -35 C°

		Pass
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