

**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

<b>Material</b>	<b>Fluoroelastomer Rubber Sheet</b>
BRP Style	S1630
Finish	Smooth or Nylon
ASTM Callout	M2HK710A1-10B37EO78Z1Z2,Z1 = 75 ± 5 duro Z2 = FKM

## Basic Requirements

Requirement	Condition	Specification Requirements
Hardness, Original	ASTM D2240	75±5
Tensile, Original	ASTM D412 - PSI Min	1,450
Elongation, Original	ASTM D412 - %	175

### Heat Aged, Test Method D 573, 70 h @ 250°C

Hardness Change	Points	± 15
Tensile	Change %	± 30 %
Elongation	Change %	- 50%

### Oil immersion, Test Method D471, IRM 903 Oil, 70 h @ 150°C

Volume Change	Change %	+ 10
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### Compression Set, Test Method ASTM D395 plied max, % 22 h @ 175° C

Compression Set	%	50% Max
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## Additional Requirements

### A1-11 Heat Resistance, D573, 70 hours @ 250 C°

Hardness Change	Points	+ 10
Tensile Change	%	- 25%
Elongation Change	%	- 25%

### B37 Compression Set, Test Method D395 Method B, 22 h @ 170° C, max. %

Compression Set	%	50
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**EO78 Fluid Resistance, Test Method D471 Service Liquid No 101, 70 h @ 200° C**

Hardness Change	Points	-15 to +5
Tensile Change	%	- 40
Elongation Change	%	- 20
Volume Change	%	0 to +15

Effective Temperature Range 0 to 232° C (450° F)

Meets or Exceeds Mil-R-83248A Type 2 Class 1

Meets or Exceeds AMS 3216