

BRP Manufacturing Company

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Technical Information and Specification Sheet

Material form: Solid Sheet Rubber, Nitrile (Buna N)
BRP Style: 5368, Peroxide Cure Nitrile
Color: Black
Finish: Smooth or Nylon

ASTM Callout: ASTM D2000 2BG618EO14EO34F16Z1Z2Z3, Z1 = BRP Style 5368, Z2 = Peroxide Cure Nitrile, Z3 = Compression Set 35% Max. (D395, 100°C)

Specification and Requirements

Basic Requirement	Condition	Specification Requirements
Hardness, Original	ASTM D2240 Shore A	65±5
Tensile, Original	ASTM D412 - PSI Min	1,800
Elongation, Original	ASTM D412 - %	350

EO14 - Fluid Resistance - Test Method D471 IRM 901 Oil, 70 hours at 100 C

Change in Hardness	Max points	-5 - +10
Change in Volume	%	-10 - +5
Change in Tensile	Max %	-25
Change in Elongation	Max %	-45

EO34 - Fluid Resistance - Test Method D471 IRM 903 Oil, 70 hours at 100 C

Change in Hardness	Max points	-10 - +5
Change in Volume	%	0 - +25
Change in Tensile	Max %	-45
Change in Elongation	Max %	-45

F16 (Gr 6)- Low Temperature Brittleness, Test Method D2137, Method A Non brittle after 3 minute at -35°C

Pass / Fail		Pass
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Temperature Range -35°F to 275°F