



# 3110 / 4110 Natural Rubber

## Typical Physical Properties

PROPERTY	TEST METHOD	SPECIFICATION
Density (Average), lb/ft <sup>3</sup>	ASTM D1056	22
Thickness, inches (Tolerance)	ASTM D1056	0.063 - 0.187 (± 0.015) 0.188 - 0.374 (± 0.030) 0.375 - 0.499 (± 0.040) 0.500 - 1.000 (± 0.060)
Standard Color, 3110 4110	-	Black Tan
Polymer	-	Natural Rubber
Compression Deflection, psi	ASTM D1056 at 25% Compression	2 - 5
Compression Deflection Change After Oven Aging, %	ASTM D1056 168 hrs at 158°F (70°C)	± 20
Compression Set, % max.	ASTM D1056 50% Deflection at 158°F (70°C)	15
Temperature Range, °F	-	-20 to 160

Meets ASTM D1056 RO 11-1A1 (Formerly MIL C-3133/MIL-STD-670 RO 3)

**NOTES:** Information of a technical nature is based on laboratory tests which either GRISWOLD PRODUCTS LLC conducts or sends to an independent laboratory for testing for determination of uses as requested in writing by customer. GRISWOLD PRODUCTS LLC believes these to be reliable. However, GRISWOLD PRODUCTS LLC has no control over the application of the material to, or part of, the final **product** and **therefore**, GRISWOLD PRODUCTS LLC makes **no express or implied warranty of result, fitness or merchantability**. The customer should determine reliability for the end use or particular application.

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One River Street, Moosup, CT 06354 USA  
mechanicalrubber.com/griswoldproducts +1-800-472-8788  
orders@griswoldproducts.com