

GRISWOLD® Aerospace Family

Features and benefits of Griswold Cellular Rubber Materials

- Neoprene is inherently anti-slip with a high coefficient of friction
- Meets Aerospace Material Specifications (AMS)
- Extremely resistant to abrasion and tearing
- Available in flexible roll or sheet good formats

PROPERTY	TEST METHOD	SPECIFICATION	
Typical Physical Properties			
Product		6113 AMS 3197	6133 AMS 3198
Specific Volume, cm ³ /g (in ³ /lb) *Tolerance, %	AMS 3197 / AMS 3198	See Table on Page 2	
Thickness, mm (inches) *Tolerances	ASTM D1056	1.59 - 4.75 (0.063 - 0.187) 4.78 - 9.50 (0.188 - 0.374)	*±0.381 (±0.015) *±0.762 (±0.030)
Standard Color		Black	
Polymer		Neoprene	
Compression Deflection, kPa min (psi)	ASTM D1056 @ 25% compression	7 - 28 (1 - 4)	41 - 90 (6 - 13)
Compression Set, % max	ASTM D1056 50% deflection, 22 hrs @ 70°C (158°F)	40	
Dry Heat Resistance, %	ASTM D573 Change in compression deflection 22 hrs @ 100°C (212°F)	-5 to +30	
	ASTM D573 Change in specific volume 22 hrs @ 100°C (212°F)	-10 to +10	
Hydrogen Ion Concentration (pH)	AMS 3197 / AMS 3198	6.0 - 8.0	
Low Temperature Flex	AMS 3197 / AMS 3198	No Cracking/No Checking	

GRISWOLD® Aerospace, cont'd

PROPERTY	TEST METHOD	SPECIFICATION	
Specific Volume, mm (inches): cm ³ /g (in ³ /lb) *Tolerance, %	AMS 3197 / AMS 3198	6113 AMS 3197	6133 AMS 3198
		2.38 (0.094): 1.52 (42)	2.38 (0.094): 1.45 (40)
		3.18 (0.125): 1.73 (48)	3.18 (0.125): 1.52 (42)
		4.78 (0.188): 1.99 (55)	4.78 (0.188): 1.63 (45)
		6.35 (0.250): 2.10 (58)	6.35 (0.250): 1.70 (47)
		7.94 (0.313): 2.20 (61)	7.94 (0.313): 1.77 (49)
		9.53 (0.375): 2.28 (63)	9.53 (0.375): 1.84 (51)
		* ±10	

Notes:

- All metric conversions are approximate
- Additional information is available
- Values should not be used for specification limits