Material properties | Test method based on | Units | Sylodyn® GC 20 | Sylodyn® GC 23 | Sylodyn® GC 37 | Sylodyn® GC 49
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Density | ASTM D3574 Test A | lb/ft³ (kg/m³) | 22 (350) | 29 (450) | 39 (620) | 48 (760) ± 10%
Compression force | ASTM D3574 Test C modified with load reported at 25% compression held for 5min on a level horizontal plate without holes | psi (kPa) | 18 (123) | 29 (2038) | 72 (5094) | 130 (91169) 124 (83159) 200 (138262) 496 (345648) 896 (6271165)
Hardness, typical | ASTM D2240 measured on skived surface | Shore A | 14 | 23 | 37 | 49 ± 5
Compressibility set | ASTM D3574 Test D 25mm x 25mm x 12mm specimens 50% compression, 22 hours at 73.4°F (23°C) | % | 0.8 (4) | 0.8 (4) | 0.5 (3) | 0.5 (3)
Tensile strength | ASTM D3574 Test E | psi (kPa) | 116 (800) | 190 (1310) | 320 (2206) | 460 (3172) 800 (620) 1310 (1000) 2206 (1500) 3172 (2172)
Elongation at break Typical (min.) | ASTM D3574 Test E | % | 320 (250) | 350 (250) | 350 (250) | 350 (250)
Tear resistance Typical (min)* | ASTM D3574 Test F | lbf/in (kN/m) | 6.0 (45) 1.0 (8) | 8.5 (55) 1.5 (10) | 11.0 (75) 1.9 (13) | 15.0 (10) 2.6 (18)
Flame resistance | UL94 | HBF | HBF | HBF | HBF
Gasketing and sealing | UL JMST2, UL50E | Pass | Pass | Pass | Pass

*ASTM D624 Die C test results available upon request

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