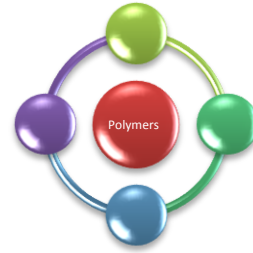




Technical Reference Bulletin Specifications Reference Tables

The specification tables printed below are for common standards such as Military specifications (Mil specs), AMS, UL Flammability, NEMA Enclosure and ASTM specifications. This specification list is for reference purposes only; refer to the actual specification for specific details.



Military Specifications (MIL Specs)		
Spec ID	Alternate	Description
A-A-59588	AA59588, A A 59588	New commercial description overview for silicone rubber items
ZZ-R-765	ZZR765, ZZ R 765	Class 1 Extreme low temperature phenyl base silicone
ZZ-R-765	ZZR765, ZZ R 765	Class 2 General purpose, low compression set methyl-vinyl silicone
ZZ-R-765	ZZR765, ZZ R 765	Class 3 High flex, high tear strength grades of methyl-vinyl silicone
Mil-R-6130	MilR6130, Mil R 6130	See ASTM D6576 (below)

AMS Specifications	
Spec ID	Description
AMS 3301	General purpose, 40 durometer silicone
AMS 3302	General purpose, 50 durometer silicone
AMS 3303	General purpose, 60 durometer silicone
AMS 3304	General purpose, 70 durometer silicone
AMS 3323	Fluorosilicone sponge, closed cell
AMS 3347	High strength, 50 durometer silicone rubber
AMS 3348	High strength, 30 durometer silicone rubber
AMS 3349	High strength, 70 durometer silicone rubber

UL Flammability Specifications		
Spec ID	Alternate	Description
UL 94 HB	UL94 HB, UL94HB, UL 94HB	Horizontal Burn Test - slow burning on a horizontal swatch
UL 94 V-0	UL94 V-0, UL94V-0, UL 94V-0, UL 94 V0, UL94 V0, UL94V0, UL 94V0	Vertical Burn Test - burning stops within 10 seconds on a vertical swatch, no drips allowed
UL 94 V-1	UL94 V-1, UL94V-1, UL 94V-1, UL 94 V1, UL94 V1, UL94V1, UL 94V1	Vertical Burn Test - burning stops within 30 seconds on a vertical swatch, no drips allowed

NEMA Enclosure Specifications	
Spec ID	Description
NEMA Type 1	General purpose indoor use, no special protection.
NEMA Type 2	Indoor use, protection against limited amounts of falling water and debris.
NEMA Type 3	Outdoor use, to protect against windblown dust, rain, and sleet. To be unaffected by development of ice.
NEMA Type 3R	Outdoor use, to protect against falling rain. To be unaffected by development of ice.
NEMA Type 3S	Outdoor use, to protect against sleet. To be unaffected by development of ice.
NEMA Type 4	Indoor or outdoor use, to protect against windblown dust and rain, splashing water, and hose down. To be unaffected by development of ice.
NEMA Type 4X	Similar to Type 4, plus protection against corrosion.
NEMA Type 6	Indoor or outdoor use, to protect against entry of water during temporary, shallow submersion. To be unaffected by development of ice.

ASTM Specifications	
Spec ID	Description
ASTM D 6576	New designation for cellular materials, replaces Mil-R-6130
ASTM D 1056 Type 1	Open cell sponge rubber
ASTM D 1056 Type 2	Closed cell sponge rubber
ASTM D 1056 Class A	Non-oil resistant
ASTM D 1056 Class B	Oil resistant, low swell
ASTM D 1056 Class C	Oil resistant, medium swell
ASTM D 1056 Class D	Extreme temperature resistance
ASTM D 1056 Grade 0	Compression Force Deflection less than 2 psi
ASTM D 1056 Grade 1	Compression Force Deflection = 2 - 5 psi
ASTM D 1056 Grade 2	Compression Force Deflection = 5 - 9 psi
ASTM D 1056 Grade 3	Compression Force Deflection = 9-13 psi (for classes A, B, C) 9-15 psi (for class D)
ASTM D 1056 Grade 4	Compression Force Deflection = 13-17 psi (for classes A, B, C) 15-22 psi (for class D)
ASTM D 1056 Grade 5	Compression Force Deflection = 17-25 psi (for classes A, B, C) 22-30 psi (for class D)
ASTM D 1056 Test Suffix A	Heat resistance
ASTM D 1056 Test Suffix b	Compression set
ASTM D 1056 Test Suffix C	Ozone or weather resistance
ASTM D 1056 Test Suffix D	Compression deflection resistance
ASTM D 1056 Test Suffix E	Fluid resistance (Fuel B)
ASTM D 1056 Test Suffix F	Low temperature resistance
ASTM D 1056 Test Suffix G	Tear resistance
ASTM D 1056 Test Suffix J	Abrasion resistance
ASTM D 1056 Test Suffix K	Adhesion resistance
ASTM D 1056 Test Suffix L	Water absorption
ASTM D 1056 Test Suffix M	Flammability resistance
ASTM D 1056 Test Suffix N	Impact resistance
ASTM D 1056 Test Suffix P	Staining resistance
ASTM D 1056 Test Suffix R	Resilience
ASTM D 1056 Test Suffix T	Tensile and Elongation
ASTM D 1056 Test Suffix W	Density
ASTM D 1056 Test Suffix Z	Any special requirements