

Common Military Specifications

AMS (Aerospace Material Specifications)
AN (Air Force/Navy Specifications)
M;MIL;MS (Military Specifications)
NAS (National Aeronautical Specifications)

(1) Dash numbers correspond with the AS 568A dash numbers
 (2) Dash numbers correspond with the 900 tube fitting series

Material Specification	Numbering Series	Durometer (+/-5)	Base Polymer	Temp. Range (F)	Description
AMS3209	N/A	70	Neoprene	-40 to +225	Weather Resistant
AMS3301	N/A	40	Silicone	-85 to +400	General Purpose
AMS3302	N/A	50	Silicone	-85 to +400	General Purpose
AMS3303	N/A	60	Silicone	-85 to +400	General Purpose
AMS3304	MS9068 (1)	70	Silicone	-85 to +400	General Purpose
AMS3305	N/A	80	Silicone	-85 to +400	General Purpose
AMS7271	MS9020 (2) MS9021 (1)	65	Nitrile	-67 to +300	Phosphate Ester Resistant
AMS7277	N/A	70-85	Butyl	-85 to +400	General Purpose
MIL-P-5315	MS29512 (2) MS29513 (1)	70	Nitrile	-65 to +200	Hydrocarbon Fuel Resistant
MIL-P-5510	MS28778 (2)	90	Nitrile	-65 to +212	For Hydraulic Fluid Systems
MIL-P-5516	AN6227 AN6230	70	Nitrile	-65 to +275	Hydraulic Fluids MIL-H-5606
MIL-R-7362	MS29561 (1) NAS617 (2)	70	Nitrile	-65 to +250	For MIL-L-7808 Fluids
MIL-P-25732	MS28775 (1)	70	Nitrile	-65 to +275	For Hydraulic Fluid Systems
MIL-R-83248 Type 1, Class 1	M83248/1 (1)	75	Fluorocarbon	-20 to +400	High Temperature, Fluid & Compression Set Resistance
Type 1, Class 2	M83248/2 (1)	90	Fluorocarbon	-20 to +400	
MIL-R-25988 Class 1, Grade 70	M25988/1 (1)	70	Fluorosilicone	-80 to +350	Oil & Fuel Resistant
Class 1, Grade 60	M25988/3 (1)	60	Fluorosilicone	-80 to +350	Oil & Fuel Resistant
Class 1, Grade 80	M25988/4 (1)	80	Fluorosilicone	-80 to +350	Oil & Fuel Resistant
ZZR-765B Class 1A & 1B Grade 40	N/A	40	Silicone	-80 to +437	High Temperature & Low Compression Set Resistant
Grade 50	N/A	50	Silicone	-103 to +437	High & Low Temperature Resistant & Low Compression Set Resistant
Grade 60	N/A	60	Silicone	-103 to +437	Same As Above
Grade 70	N/A	70	Silicone	-103 to +437	Low Temperature & Low Compression Set Resistant
ZZR-765B Class 2A & 2B Grade 40	N/A	40	Silicone	-80 to +437	High Temperature & Low Compression Set Resistant
Grade 50	N/A	50	Silicone	-103 to +437	High & Low Temperature Resistant & Low Compression Set Resistant
Grade 70	N/A	70	Silicone	-80 to +437	Low Temperature & Low Compression Set Resistant
Grade 80	N/A	80	Silicone	-80 to +437	Same As Above
ZZR-765B Class 2A Grade 60	N/A	60	Silicone	-103 to +437	High & Low Temperature Resistant & Low Compression Set Resistant
ZZR-765B Class 2B Grade 60	N/A	60	Silicone	-80 to +437	High Temperature Resistant & Low Compression Set Resistant
ZZR-765B Class 3B Grade 70	N/A	70	Silicone	-94 to +392	Tear & Flex Resistant
Grade 80	N/A	80	Silicone	-94 to +392	Same As Above

