

Military and Commercial Specifications for Elastomeric Materials

Rogers Corporation provides a wide range of high-performance materials that meet critical military and aerospace specifications.

BISCO® Silicone, ARLON® Industrial Silicones, DeWAL® Tapes and Silicone Engineering materials are market-leading formulations derived from production processes that deliver stability and durability. Their alignment with key military and commercial standards is shown in the following tables.

Solid Silicone Specifications and Material Recommendations

SPECIFICATION SOLIDS	DESCRIPTION	ARLON INDUSTRIAL	BISCO SILICONES	SILICONE ENGINEERING
A-A-59588 Class 2A/B, Grade 40	Silicone Rubber	10-4038GP	HT-1240	kSil US40
A-A-59588 Class 2A/B, Grade 50	Silicone Rubber	10-5038GP	HT-1250	kSil US50
A-A-59588 Class 2A/B, Grade 60	Silicone Rubber	10-6038GP	HT-1260	kSil US60
A-A-59588 Class 2A/B, Grade 70	Silicone Rubber	10-7038GP	HT-1270	kSil US70
A-A-59588 Class 3A, Grade 50	Silicone Rubber	10-5035HS/LT	NA	NA
A-A-59588 Class 3B, Grade 30	Silicone Rubber	10-3038HS/LT	NA	NA
AMS 3301	Silicone Rubber	10-4038GP	HT-1240	kSil US40
AMS 3302	Silicone Rubber	10-5038GP	HT-1250	kSil US50
AMS 3303	Silicone Rubber	10-6038GP	HT-1260	kSil US60
AMS 3304	Silicone Rubber	10-7038GP	HT-1270	kSil US70
AMS 3320	Fiberglass Reinforced Silicone Rubber	NA	HT-1500	NA
A-A-59163 Type I	Self-Fusing Tape - Rectangular	9-series MOX T10	NA	NA
A-A-59163 Type II	Self-Fusing Tape - Triangular	LW-series MOX T20	NA	NA

Silicone Sponge Specifications and Material Recommendations

SPECIFICATION SPONGE	DESCRIPTION	ARLON INDUSTRIAL	BISCO SILICONES	SILICONE ENGINEERING
AMS 3195	Silicone Sponge/Foam	99-1135M	HT-800/HS-970	US350
AMS 3196	Silicone Sponge/Foam	99-1135F	HT-820/HS-990	US400
ASTM D1056, 2D0	Silicone Sponge	NA	NA	NA
ASTM D1056, 2D1	Silicone Sponge	NA	HS-910	kSil US2D1
ASTM D1056, 2D2	Silicone Sponge	NA	HS-920	kSil US2D2
ASTM D1056, 2D3	Silicone Sponge	NA	HS-930	kSil US2D3
ASTM D1056, 2D4	Silicone Sponge	NA	HS-940	kSil US2D4
ASTM D1056, 2D5	Silicone Sponge	NA	HS-950	kSil US2D5
ASTM D6576, SuperSoft	Silicone Sponge	NA	NA	NA
ASTM D6576, Soft	Silicone Sponge	NA	HS-910	kSil GP200
ASTM D6576, Soft Medium	Silicone Sponge	NA	HS-920	kSil GP250
ASTM D6576, Medium	Silicone Sponge	NA	HS-930	kSil GP350
ASTM D6576, Firm	Silicone Sponge	NA	HS-940	kSil GP400
ASTM D6576, Extra Firm	Silicone Sponge	NA	HS-950	kSil GP530

PTFE Specifications and Material Recommendations

SPECIFICATION PTFE	DESCRIPTION	DeWAL TAPES
A-A59474 Type 1 Class 1	PTFE Film Tape	DW 204-2HD
A-A59474 Type 1 Class 2	PTFE Film Tape	DW 204-3
A-A59474 Type 1 Class 2	PTFE Film Tape	DW 204-3HD
A-A59474 Type 1 Class 4	PTFE Film Tape	DW 204-5
A-A59474 Type 1 Class 4	PTFE Film Tape	DW 204-5HD
A-A59474 Type 2 Class 1	PTFE Film Tape	DW 244-2HD
MIL-T-83284	Heat Shield Tape for Harness Wraps	DW 407
MIL-T-83284	Heat Shield Tape for Harness Wraps	DW 409
MIL-P-22241B (Superseded by ASTM D3369 – D3308)	Skived Tensilized PTFE Film	DW 502
AMS 3662C	Skived PTFE Film	DW 2000
ASTM D3308 Type II	Skived PTFE Film	DW 202-2
SAE AS22759A Type 1 Grade 1	Skived PTFE Film	DW 251
ASTM D3308 Type 1 Grade 1	Skived PTFE Film	DW 251

For more information and to request a sample, please contact our team of experts at solutions@rogerscorp.com