



Heat Shrinkable Tubing Selection Guide

SAE-AMS-DTL-23053
(Formerly MIL-DLT-23053 or MIL-I-23053)

MIL Spec	Type	Class	Information	RDS Number
M 23053/1	Chlorinated Polyolefin (Formerly Modified Neoprene)	1 2	-55 ^o C to + 90 ^o C -70 ^o C to +121 ^o C	R10 R10
M 23053/2	Polyvinyl Chloride PVC	1 2	Flexible Cross Linked Not Cross Linked	V H105
M 23053/3	Polyvinyl Chloride PVC	1 2	Semi-rigid Cross Linked Not Cross Linked	
M 23053/4	Dual Wall Polyolefin	1 2 3	Semi-rigid - Melt Liner Flexible – Glue Lined 2:1 Flexible – Glue Lined 3:1	W5DL O2B2 W3B2
M 23053/5	Flexible Polyolefin Over-Expanded	1 1 2 3	Flame Retardant - Colors 4:1 Shrink Ratio Not Flame Retardant - Clear Only Highly Flame Retardant – Colors	B2 B2(4XC) A2 B2
M 23053/6	Semi-rigid Polyolefin	1 2	Flame Retardant - Colors Not Flame Retardant - Clear	B8 D
M 23053/7	'Mylar' Polyethylene Terephthalate	1 2	Longitudinal Seam Spiral Wound	T/07
M 23053/8	'Kynar' Polyvinylidene Fluoride		Semi-rigid	K
M 23053/9	Fluorosilicone		Specification Cancelled	
M 23053/10	Silicone Rubber		Flexible	T/10
M 23053/11	FEP Fluorinated Ethylene Propylene	1 2	1.3 to 1.0 Shrink Ratio 1.67 to 1.0 Shrink Ratio	T/11 T/11
M 23053/12	TFE [PTFE] PolyTetraFluoroEthylene	1 2 3 4 5	Heavy Wall 2:1 Shrink Ratio Standard Wall 2:1 Shrink Ratio Thin Wall 2:1 Shrink Ratio Light Wall 2:1 Shrink Ratio Fractional 4:1 Shrink Ratio	T/12 T/12 T/12 T/12 T/12
M 23053/13	'Viton' ® Fluoroelastomer		Flexible, High temperature[200 ^o C], solvent resistant. Clear --	FE3 KH200
M 23053/14	'Tefzel' ® EFTE		Translucent white/Transparent blue -100 ^o C to 150 ^o C	T/14
M 23053/15	Heavy Wall Polyolefin Adhesive Lined	1 2	.155" Wall .100" Wall	T/15 T/15 CL2
M 23053/16	Elastomeric Polyolefin			TDR25
M 23053/17	Flame Retardant Translucent Polyolefin	1 2	Standard Wall Thin Wall	
M 23053/18	Modified Fluoropolymer Thin Wall	1 2 3	Flexible -55 ^o C - +175 ^o C Flexible Black or White Only Extremely Flexible -55 ^o C - +150 ^o C (90 ^o Shrink Temperature)	K2 T/18 K3