

Materials for Heat Shrinkable Moulded Shapes

Material Specifications			
Description	B7	G	J
Material	Semi-rigid flame retarded polyolefin	Fluid resistant elastomer	Flexible polyolefin
Continuous Operating Temperature °C	-55 to +135	-75 to +150	-55 to +135
Minimum Shrink Temperature °C	+135	+135	+135
Specifications	MIL-I-81765/1 TYPE I DEF 59-97 BSG198 Part 5	VG 95343 Pt6 & Pt18 DEF 59-97 BSG198 Part 5	MIL-1-81765/1 TYPE II DEF 59-97 BSG198 Part 5
Tensile Strength (MPa)	13	15	14
Ultimate Elongation (%)	500	580	610
Dielectric Strength kV/mm	14	14	12
Flammability (Self extinguishing)	Excellent	Excellent	Excellent
Characteristics	Good physical and chemical resistance	Excellent resistance to fuels	Flexible
Typical applications	Military and general high performance harnessing		

Material Specifications			
Description	H	B8	L
Material	Flexible limited fire hazard material	Semi-rigid flame retarded polyolefin	Flexible flame retarded fluoroelastomer
Continuous Operating Temperature °C	-55 to +105	-55 to +100	-55 to +200
Minimum Shrink Temperature °C	+135	+135	+175
Specifications	NAVSEA 5617649 DEF 59-97 VG 95343 Pt29 BSG198 Part 5	EA-TS 09-11	MIL-81765/4 DEF Stan 59-97 BSG198 Part 5
Tensile Strength (MPa)	10	15	12
Ultimate Elongation (%)	450	500	300
Dielectric Strength kV/mm	15	15	8
Flammability (Self extinguishing)	Excellent	Good	Excellent
Characteristics	Low smoke Halogen free	Good physical and reasonable chemical resistance	High temperature excellent chem. resistance
Typical applications	Ships, submarines & railways	Power/utility shapes	Military and high performance harnessing

Material Specifications			
Description	-9	-8	-6
Material	Modified elastomer blend	Modified fluoroelastomer	Flexible flame retarded polyolefin
Continuous Operating Temperature °C	-55 to +120	-55 to +150	-55 to +120
Minimum Shrink Temperature °C	+135	+135	+135
Specifications	SCX15112	SCX15111	MIL-1-81765/1 Type I + II
Tensile Strength (MPa)	12	15	12
Ultimate Elongation (%)	500	450	500
Dielectric Strength kV/mm	20	20	20
Flammability (Self extinguishing)	Excellent	<25mm	Excellent
Characteristics	Good physical and reasonable chemical resistance	Good physical and chemical resistance	Good physical and reasonable chemical resistance
Typical applications	Military and general high performance harnessing		