



Material	Sycor Number	Operating Temp (°C)	Shrink Ratio	Characteristics	Applications	Page
Polyolefin Heatshrink	TOK/TOL	-55°C to +135°C	2:1	All purpose insulation	Excellent insulation for most electronic and electrical use	4
Polyolefin Heatshrink	TON	-55°C to +135°C	2:1	Highly flexible and flame retardant	Used where extra flexibility after shrinkage is needed	6
Polyolefin Heatshrink	TOJ	-55°C to +135°C	2:1	Semi-rigid insulation	For strain relief use	7
Polyolefin Heatshrink	T2L	-55°C to +135°C	3:1	High shrink ratio	For use on irregular shapes	5
Polyolefin Heatshrink	T1L	-55°C to +135°C	4:1	High shrink ratio	For use on irregular shapes	5
Teflon (FEP) Heatshrink	TOP	204°C	2:1	Low shrink temperature abrasion resistant	Good general purpose teflon tubing insulation	13
Teflon (IFE) Heatshrink	TOR	-67°C to +250°C	2:1	High temperature insulation	Tough, abrasion resistant and high temp use	14
Teflon (IFE) Heatshrink	T1R	-67°C to +250°C	4:1	High shrink ratio and high temperature insulation	For tough, high temp use over irregular shapes	15
Tefzel Heatshrink	T1M	150°C	25-35% Recovery	Tough, abrasion resistant. Cut through and stiffness resistant	Used extensively in aircraft, missiles, computer, utility installations and aerospace vehicles	16
Kynar Heatshrink	TOM	-55°C to +175°C	2:1	Semi-rigid, transparent and abrasion resistant	Tough, thinwall for use with Kynar wire on aircraft	17
PVC Vinyl Heatshrink	TOG/TOH	-35°C to +105°C	2:1	Flexible, economical tubing	Low cost, general purpose strain relief and terminal cover	12
Viton Heatshrink		-55°C to +200°C	2:1	High temperature, rugged	For use with fuels, lubricants, acids and highly corrosive fluids	**
EPR Heatshrink		-54°C to +149°C	2:1	Semi-conductive, flexible insulation	High voltage, corona protection of splices and terminals	**
EPR Heatshrink		-54°C to +149°C	2:1	Flexible, good physical and electrical features	Jacketing of heavy duty cables and bus bars	**
Teflon (PTFE)	TOC-TW	+250°C	N/A	High temp - thin wall insulation	For rugged, abrasion resistant, high temperature applications.	22
Teflon (PTFE)	TOC - SW	+250°C	N/A	High temp - standard wall insulation	Wall thickness will determine the degree of flexibility needed for the application	23
Teflon (PTFE)	TOC - LW	+250°C	N/A	High temp - Light wall insulation		21
Tefzel (ETFE)		+150°C	N/A	Tough, high dielectric strength, low temp use	For rough and chemical resistant applications	**
Tefzel (ETFE)		+204°C	N/A	Solder iron resistant, with high dielectric strength	For high temperature and long length applications	**
PVC Vinyl Conduit		+90°C	N/A	Non-metal reinforced very flexible - general purpose	To replace metal conduit for air, electrical and water use. Ideal for	**
PVC Vinyl Conduit Liquid Tight		+90°C	N/A	Non-metal reinforced very flexible - heavy duty	automation, robotics, process and outdoor or direct burial applications	**
PVC Vinyl	TOA - SW	-20°C to +105°C	N/A	Multipurpose, low cost insulation	Good mechanical and electrical properties - general use	19
PVC Vinyl	TOA - HW	-67°C to +105°C	N/A	Thick wall - Heavy duty insulation	For use on pressure and vacuum lines, abrasion resistant	20
PVC Vinyl		-67°C to +80°C	N/A	Low temperature, flexible insulation	Extremely flexible, use in low temperature applications	**
Braided/Fiberglass	T3B	-73°C to +648°C	N/A	Class C, woven sleeving heat treated	For high temperature use	24
Plastic/Fiberglass	T1B	-20°C to +130°C	N/A	Class B, woven sleeving plastic impregnated	For tough, flexible insulation on motor wiring	25
Acrylic/Fiberglass	T4B	-20°C to +155°C	N/A	Class F, woven sleeving polyester-acrylic coated	To cover magnet wire and motor wiring	26
Silicone/Fiberglass	T2B	-85°C to +200°C	N/A	Class H, woven sleeving silicone rubber coated	For high temperature abrasion resistant insulation	27
Braided/Ceramic		+1427°C	N/A	Fireproof braid cannot burn	Extremely high temperature cable and hose protection	**