

# Continuous and Short term operating range of different Thermocouple Insulation

Insulation Layers	Maximum Temperature Range	Maximum Temperature Range	Resistance Against Chemical
	(Continuous) in °C	(Short Time) in °C	
Mica Tape/ Fiber Braided	600	700	Good
Fiber Braided/ Fiber Braided	400	500	Good
Fiber Braided/ Fiber Braided/ SS	410	520	Very Good
Cotton Braided/ Cotton Braided	110	100	Poor
PVC/ PVC	110	200	Fair
PTFE Wrap/ Kapton Wrap	300	350	Very Good
Kapton Wrap (Twisted Pair)	320	420	Very Good
FEP (Twisted Pair)	204	260	Very Good
PTFE (Twisted Pair)	350	400	Very Good
Silicon Rubber/ Silicon Rubber	250	300	Good
PTFE Wrap/ Silicon Rubber	300	350	Good
PTFE/ Fiber Braided/ SS	480	540	Very Good
PVC Twisted Pair/ Al Mylar/ PVC Jacket Overall	105	120	Good