

TYPICAL INSULATION CHARACTERISTICS

Insulation Material	Temp. °C		Dielectric Constant. K	Velocity %	Resistance to:							
	Min.	Max.			Ozone	Flame	Moisture	Oil	Alcohols	Gasoline	Outgassing	Sunlight
PVC	-40	105	4 - 6	—	G	G	G	F	G	P	P	G
Polyethylene	-55	80	2.25	66	G	P	E	G	E	F	F	E
Crosslinked Polyethylene	-55	125	2.25	66	G	G	E	G	E	G	F	E
Foamed Polyethylene	-55	80	1.65	78	G	P	G	G	E	F	F	E
Rubber	-40	75	3 - 5	—	P	P	G	P	G	P	P	F
Nylon	-55	115	—	—	G	G	F	E	P	F	F	E
Duralon	-24	105	—	—				E		G		
PTFE Teflon	-70	260	2.10	70	E	E	E	E	E	E	E	E
FEP Teflon	-70	200	2.0	70	E	E	E	E	E	E	E	E
Foamed FEP	-70	200	1.65	78	E	E	G	E	E	G	E	E
Polypropylene	-40	105	2.2	66	G	P	E	F	E	F	F	E
Silicone Rubber	-80	150	3 - 3.5	—	E	F	G	F	F	F	G	E
Kapton	-70	200	3.6	—	E	E	G	E	E	G	E	E
Tefzel	-70	150	2.6	62	E	E	E	E	E	E	E	E
XML-125	-55	125	2.5	62	G	E	G	G	G	G	G	G
Irravin	-40	105	2.8	—	G	G	E	E	G	F	P	G
Exane	-55	110	4.5	—	G	E	E	E	E	G	F	E

Key: E - excellent, G - good, F - fair, P - poor