

Insulation and Jacket Compounds for Medical Electronics

COMPOUND	Type	Grade	Sp.G	Durometer	Texture	Color	Upper Temperature Limit (°C)	Tensile Strength (psi)	Elongation (%)	Dielectric Strength (V/mil)	NEWTC Custom Colors	Parylene Coating Available	flame resistance	abrasion, cut, tear resistant	Phthalate Free	Comments / Special Features
NA28	PVC	ins / jkt	1.23	75	glossy	Clear	105	2580	350		●		●	●	●	gamma stabilized
NA44	PVC	ins / jkt	1.26	80	glossy	Clear	105	2700	375		●		●	●	●	
NA45	PVC	jacket	1.25	75	glossy	Clear	105	2535	350		●		●	●	●	
NA46	PVC	insulation	1.28	90	glossy	Clear	105	3200	400		●		●	●	●	
NA47	PVC	jacket	1.24	70	glossy	Clear	105	2000	450		●		●	●	●	
ND01	TPU	ins / jkt	1.12	83	glossy	Clear	80	4500	550		●			●	●	
ND05	TPU	ins / jkt	1.05	77	glossy	Clear		6200	550		●			●	●	non yellowing
ND09	TPU	insulation	1.15	98	glossy	Clear		6000	450		●			●	●	
ND11	TPU	ins / jkt	1.01	85	matte	Natural	80	5365	610		●			●	●	satın matte finish
NF04	Silicone	jacket	1.17	60	glossy	Translucent	150	1200	450	488	●	●	●		●	tight cure silicone
NF05	Silicone	jacket	1.14	50	glossy	Translucent	200	1400	900	400	●	●	●		●	tight cure silicone
NF11	Silicone	jacket	1.2	60	semi gloss	Translucent	150	1200	400	400	●	●	●		●	NEWtuf™
NF13	Silicone	jacket	1.19	75	semi gloss	Translucent		1523	350		●	●	●		●	NEWtuf™
NF14	Silicone	jacket	1.19	56	glossy	Translucent		1230	740		●	●	●		●	Low volatiles / tight cure silicone
NG03	PFA	insulation	2.14	98	glossy	Translucent	250	3600	300	2000			●	●	●	maximum neat resistance
NG04	ETFE	insulation	1.71	110	glossy	Translucent	150	6500	300	1800			●	●	●	
NG09	ETFE	insulation	1.77	65	glossy	Translucent	200	5500	300				●	●	●	radiation resistant
NG10	FEP	insulation	2.14	99	glossy	Translucent	200	3100	310	2000			●	●	●	
NG18	PFA	insulation	2.15	98	glossy	Translucent	250	3600	350				●	●	●	ultra thin extrusions
NH18	TPE	jacket	0.9	55	matte	Translucent		850	700		●			●	●	not for use in direct contact with metals or PVC
NH27	TPE	jacket	0.92	65	matte	Natural		700	525	700	●			●	●	clean TPE
NH31	TPE	ins / jkt	0.94	76	matte	Natural		1200	480	800	●			●	●	clean TPE
NH32	TPE	jacket	0.95	55	matte	Natural		670	430	600	●			●	●	clean TPE
NH38	TPE	ins / jkt	0.93	87	matte	Natural	105	1810	600	900	●			●	●	clean TPE