



Global Thermoset Composite Solutions

Underwriters Laboratories – Norplex-Micarta - Listed Products

File Number #: E187147 (QMTS2 & QMTS8)

Tubes directly covered under the E187147 are listed below in blue.

Grade	ANSI Type	Color	Minimum Thickness		UL 94 Flame Class	Thermal Endurance (TI)		HWI	HAI	HVTR	CTI	Meets UL 796E DSR
			inch	(mm)		Elec.	Mech.					
NP310 ¹ RT310	C	NC, BK	0.028	(0.71)	94HB	85	85	4	2	4	-	-
			0.057	(1.45)		115	125	4	2	1	4	-
NP509 RT509	G-9	NC	0.025	(0.64)	94V-0	50	140	3	1	0	-	-
			0.057	(1.45)	94V-0	50	140	3	1	0	1	-
NP510A	FR-4	NC, GN, BK, BL, TN	0.030	(0.76)	94V-0	130	140	0	0	0	-	Yes
			0.060	(1.52)		130	140	0	0	0	1	Yes
MC511A RT511M	G-11	NC	0.025	(0.64)	94HB	140	160	4	4	4	-	-
			0.055	(1.40)		170	180	3	4	4	-	-
NP511	G-11	NC	0.025	(0.64)	94HB	140	160	4	4	4	-	-
			0.055	(1.40)		170	180	3	4	4	-	-
NP611	XP	NC, BK	0.028	(0.71)	94HB	130	130	4	4	4	-	-
			0.057	(1.45)		130	130	5	3	4	3	-
NP611R	XP	NC, BK	-	-	94HB	-	-	-	-	-	-	-
NP612	XPC	NC, BK	0.028	(0.71)	94HB	130	130	4	2	3	-	-
			0.057	(1.45)		130	130	-	-	0	1	-
NP631	XXXP	NC, BK	0.028	(0.71)	94HB	125	125	5	3	4	-	-
			0.057	(1.45)		125	125	4	3	4	-	-

¹ Only applies to Postville, IA manufactured material.