

PRODUCT DATA BROCHURE

Vinyl Compounds for Wire & Cable

Our Staff is available to answer questions and provide technical assistance at
(978) 537-8261

Properties	Temperature Rating, °C	Durometer "A," INST/15 sec +/- .03	Specific Gravity +/- .03	Tensile Strength, PSI	100% Modulus, PSI	Elongation, %	Brittle Point, °C	Oxygen Index	Volume Resistivity @ 55°C, OHM-CM x 10 ¹²	Suggested Stock Temp. °F	Min. Wall Thickness, Inches	Suggested Applications
ASTM		D-2240	D-792	D-412	D-412	D-412	D-746	D-2863	D-257			

BUILDING WIRE

GA-1042	90	94/90	1.37	2700	1800	300	-18	26	15	380	.030 at 90°C, .015 at 80°C	T, TW, MTW, THW 60°C oil; AWM, TR-32
GA-1050	105	95/92	1.37	2800	2100	300	-20	30	40	390	.010	THHN, THWN; MTW, THW 60°C oil; 105°C AWM; 90°C AWM 1000-volt
GA-5033LT	80	90/85	1.39	2250	1300	340	-26	26	25	370	.030	TW; UL UF, CSA TWU
GA-5748	105	85/76C	1.37	3000	2300	275	-18	30	50	390	.010	THHN, THWN; MTW, 105°C AWM; 90°C AWM 1000-volt

APPLIANCE WIRE

GA-1008	80	91/86	1.37	2300	1450	330	-22	25	15	370	.030	80°C AWM insulation & jacket
GA-1038	90	94/90	1.38	2550	1650	320	-20	25	15	380	.030 at 90°C, .010 at 80°C	90°C AWM 1000-volt; Mil-W-76B; IMSA jacket
GA-1046	105	70/60D	1.34	4000	3000	300	-12	30	18	390	.009	Tri-rated semi-rigid insulation
GA-1055	105	95/90	1.39	2600	1800	300	-19	27	24	380	.030 at 105°C, .015 at 90°C	105°C AWM; CSA TEW, TR-64; SPT, SJT insulation
GA-3099	80	85/80	1.37	2000	1200	350	-29	26	12	360	.030	80°C AWM insulation & jacket

FLEXIBLE CORD

GA-1006	60	91/86	1.41	2400	1400	300	-25	24	12	360	.030	60°C GP, SPT, SJT insulation & jacket
GA-1180	105	85/80	1.36	2300	1400	350	-28	23	8.9	360	.030	105°C SPT1, SPT2 insulation
GA-2105	105	88/83	1.22	2250	1450	340	-27	23	20	370	.015	105°C Clear insulation & jacket
GA-3028	60	87/82	1.22	2450	1300	300	-28	23	6.7	360	.015	60°C Clear insulation & Jacket
GA-7056	60	90/85	1.36	2300	1350	330	-27	23	10	370	.030	60°C XTW-A, SPTW-A, SJTW-A

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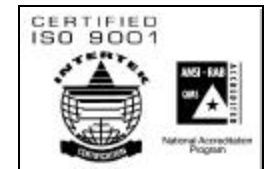
Properties	Temperature Rating, °C	Durometer "A," INST/15 sec +/- .03	Specific Gravity +/- .03	Tensile Strength, PSI	100% Modulus PSI	Elongation, %	Brittle Point, °C	Oxygen Index	Volume Resistivity @ 55°C, OHM-CM x 10 ¹²	Suggested Stock Temp. °F	Min. Wall Thickness, Inches	Suggested Applications
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SPECIALTY WIRE

GA-509	105	90/85	1.39	2765	1950	290	-28	29	2.65 x 10 ¹⁰ @ 70°C	360	.030	1277 TC CMX-CL2 jacketing
GA-1060	105	95/92	1.33	3300	2100	320	-20	28	22	380	.008	MIL-W-16878; MIL-W-5086
GA-1061	80	83/76	1.23	2100	1520	350	-55	—	—	—	—	MIL-C 55036A WM130 low temp. jacket
GA-3680	60	70/63	1.44	1273	750	345	—	22	3.0 x 10 ¹¹	—	—	Matte finish; 80° to 105° versions available
GA-5301	105	85/80	1.27	2600	1800	345	-35	24.75	—	350-370	—	Retractable jacketing; flame retardant
GA-5789	90	95/91	1.38	2500	1750	300	-29	28	0.8	380	.030	Tray cable jacketing subjects 1072 & 1277
GA-8705	60	82/77	1.35	2500	1300	235	-35	23	0.4	360	.015	REA PE-220 jacket
GF-91-102-2	80	76/65	1.22	1650	1200	410	-45	26	—	370	.030	MIL-C 17G type 2A jacket
GPT-45B2-H1	60	66D	1.66	2600	—	205	—	>50	—	—	—	Low smoke, highly flame retardant jacketing compound for PVC/PVC plenum cable construction
GPT-76-1	60	72D	1.42	3400	—	215	—	36.5	—	355-370	—	60° C flame retardant semi-rigid insulation compound with improved low-smoke characteristics
GPT-74H2	60	68D	1.56	2500	—	215	—	43	—	360-370	—	60° C flame retardant semi-rigid jacketing and insulation material for plenum applications
GTPE-2203	105	65/57	1.18	1910	—	390	-59	23.5	—	350-360	—	UR 62 TPE SJE0, SEO rated 60° /90°, 720 hr sunlight resistant, -55 cold bend
Guardian III™PJ	75	69D	1.60	2650	—	300	-5	46	—	340-355	—	Low smoke, highly flame retardant jacketing material for plenum cable applications
Guardian III™PI	60	70D	1.66	2800	—	200	0	48	—	340-355	—	Low smoke, highly flame retardant insulation material for plenum cable applications
GX-1000	105	87/74	1.39	2410	—	315	-15	28	—	330-350	—	Irradiatable PVC insulation

All compounds are available in Natural, as well as a wide spectrum of colors. Contact S&E Specialty Polymers for color matches. This is merely a sampling of the compounds offered by S&E Specialty Polymers. We encourage you to contact us concerning your specific applications.

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