

	Material	General Description	Hardness (Shore A)	Tensile Strength (PSI)	Elongation (%)	Tear Strength (PPI)	Operating Temperature				Electrical Insulation
							Low		High		
							°F	°C	°F	°C	
Dip Molded Vinyl	9500	General Purpose, Glossy	73	1520	380	200	-20	-29	300	149	Good
	9250	High -Temp Resistant (HT-201)	84	2500	350	250	0	-18	475	246	Good
	9700	Low Exudation	73	1500	300	150	+20	-7	250	121	Good
	9400	FDA Acceptable	58	1800	500	270	-20	-29	140	60	---
	9240	Semi-Rigid, Glossy	86	2200	260	250	+20	-7	250	121	Good
	9238	Non-Copper Staining	75	1750	300	200	-20	-29	250	121	Good
	9222	Flame Retardant, Matte	73	620	230	80	0	-18	280	138	Very Good
	9100	Textured	60	850	300	100	-20	-29	150	66	---
	4610	General Purpose, Matte	65	600	175	45	+20	-7	175	79	---
	4406	Anti-Static	70	1200	250	200	-20	-29	250	121	Good
	3810	Extended U.V. Resistant	75	1750	300	250	-20	-29	250	121	Good
	1219	Gas & Oil Resistant, Glossy	70	1500	250	150	-20	-29	300	149	Good
1217	Textured	45	500	250	95	-20	-29	150	66	---	
Rubber	Silicone	Ultra High-Temp Resistant	50-60	800	200	75	-104	-76	600	316	---
	EPDM	High-Temp Chemical Resistant	50	1015	300	200	-67	-55	300	149	---
Resins	LDPE	Low-Density Polyethylene	---	1600	---	---	-94	-70	175	79	---
	HDPE	High-Density Polyethylene	---	3100-5500	---	---	0	-18	215	102	---
	PP	Polypropylene	---	3300-5300	---	---	-94	-70	250	121	---
	TPE	Thermoplastic Elastomer	73	985	---	220	-76	-60	275	135	---
Paper	NYLON	Nylon PA6	---	10741	---	---	-40	-40	250	121	---
	Paper	Tan Recycled Paper	---	---	---	---	---	---	400	204	---

Additional Formulas, Compounds & Resins Available, Please Contact Sales.

### Material Maximum Temperature Specifications

Material Temp	9400	9100 • 1217	4610 • LDPE	HDPE	3810 • 4406 9238 • 9240 9700 • PP • NYLON	TPE • 9222	9500 • EPDM 1219	PAPER	9250	SILICONE
	140° F / 60° C	150° F / 66° C	175° F / 79° C	215° F / 102° C	250° F / 121° C	275° F / 135° C	300° F / 149° C	400° F / 204° C	475° F / 246° C	600° F / 316° C

Temperatures shown are guidelines. Please request a **FREE** sample for your testing.

### COLOR OPTIONS 9500 Formula Vinyl:



## Tolerances

### VINYL PRODUCTS

- Minimum Length = 3/16" (4.75mm)
- Length is variable in 1/16" (1.58mm) increments
  - Inside length tolerance is +/- 1/16" (1.58mm) • Length measured along inside wall, not from center, with the exception of the RFGV Series.
- Wall thickness as noted, unless special request
  - Wall tolerance +/- .010" (.25mm)
  - Wall measured approximately 1/4" (6.35mm) from open end, with wall increasing slightly towards the closed end of cap
- Specify Standard Formulation 9500 or High-Temp 9250 (Additional formulations are available).

### POLY PRODUCTS

- Typical tolerance for part dimension:
  - 0.000"-3.000": ± 0.010" (0mm to 76.2mm : ± .25mm)
  - 3.001"-5.000": ± 0.015" (76.23mm to 127mm : ± .38mm)
  - 5.001" and up: ± 0.020" (127.1mm and up : ± .51mm)
- On SMR Series parts 1-1/16" and larger, the tolerance for dimension "A" is +0.018"/-0.010" (+0.45mm/- .25mm)

### RUBBER PRODUCTS

All Thermoset Rubber Products are manufactured to RMA® "A3" Commercial tolerances

