

|                   | Material | General Description        | Hardness (Shore A) | Tensile Strength (MNm-2) | Elongation (%) | Tear Strength (PPI) | Operating Temperature |        |         |         | Electrical Insulation |
|-------------------|----------|----------------------------|--------------------|--------------------------|----------------|---------------------|-----------------------|--------|---------|---------|-----------------------|
|                   |          |                            |                    |                          |                |                     | Low °C                | Low °F | High °C | High °F |                       |
| Dip Moulded Vinyl | 9238     | General Purpose Glossy     | 75                 | 15                       | 300            | 200                 | -30                   | -22    | 100     | 212     | Good                  |
|                   | HT-201   | Hi-Temp Resistant          | 80                 | 16                       | 250            | 250                 | -18                   | 0      | 230     | 446     | Good                  |
|                   | 9400M    | FDA Acceptable             | 62                 | 13                       | 350            | 150                 | -20                   | +4     | 60      | 140     | ---                   |
|                   | 9100     | Textured                   | 60                 | 12                       | 350            | 100                 | -29                   | -20    | 66      | 150     | ---                   |
| Rubber            | Silicone | Extra Temperature (EHTSi)  | ---                | 6                        | 300            | 75                  | -76                   | -104   | 302     | 575     | ---                   |
|                   | EPDM     | Hi-Temp Chemical Resistant | ---                | 10                       | 320            | 200                 | -55                   | -67    | 149     | 300     | ---                   |
| Resins            | LDPE     | Low Density Polyethylene   | ---                | 600-2300 PSI             | ---            | ---                 | -70                   | -94    | 79      | 175     | ---                   |
|                   | HDPE     | High Density Polyethylene  | ---                | 3100-5500 PSI            | ---            | ---                 | -18                   | 0      | 102     | 215     | ---                   |
|                   | PP       | Polypropylene              | ---                | 4300-5500 PSI            | ---            | ---                 | -70                   | -94    | 121     | 250     | ---                   |
|                   | TPE      | Thermoplastic Elastomer    | 82                 | 580-1610 PSI             | ---            | 220                 | -60                   | -76    | 135     | 275     | ---                   |
| Paper             | NYLON    | Nylon PA6                  | ---                | 10741 PSI                | ---            | ---                 | -40                   | -40    | 121     | 250     | ---                   |
|                   | Paper    | Tan Recycled Paper         | ---                | ---                      | ---            | ---                 | ---                   | ---    | 204     | 400     | ---                   |

*Additional Formulas (Antistatic, Flame Retardant etc.), Compounds & Resins Available, Please Contact Sales for Further Information*

## Material Maximum Temperature Specifications

| Material | 9400M          | 9100           | LDPE           | 9238            | HDPE            | PP • NYLON      | TPE             | EPDM            | PAPER           | HT201           | SILICONE        |
|----------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Temp     | 60° C / 140° F | 66° C / 150° F | 79° C / 175° F | 100° C / 212° F | 102° C / 215° F | 121° C / 250° F | 135° C / 275° F | 149° C / 300° F | 204° C / 400° F | 230° C / 446° F | 302° C / 575° F |

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

## COLOUR OPTIONS

9238 Formula Vinyl:



## Tolerances

### VINYL PRODUCTS

- Minimum Length = 4.8mm (3/16")
- Length is variable in 1.6mm (1/16") increments
- Inside length tolerance is +/- 1.6mm (1/16") • Length measured along inside wall, not from centre, with the exception of the F-Series.
- Wall thickness as noted, unless special request
- Wall tolerance +/- .010" .25mm (0.010")
- Wall measured approximately 6.4mm (1/4") from open end, with wall increasing slightly towards the closed end of cap
- Above tolerances refer to Standard Formulation 9238 or High-Temp HT201 (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

For More Information, Please Contact Sales on

**0800 856 2466**