

SILPAK, INC.

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PRODUCT DATA SHEET ROOM TEMPERATURE CURING SILICONE

Silicone is a room temperature vulcanizing rubber intended primarily for making molds, puppet skins and highly flexible props. It is also used as a general purpose, high strength rubber. The main features of this product are:

1. Excellent physical properties with high tear resistance.
2. Low viscosity for ease of pouring.
3. Flesh skin softness.

Applications:

1. Urethane parts
2. Polyester parts
3. Puppet skins

| | R-1310 | R-1318 | F-50 |
|--------------------------|---------------|---------------|-----------------|
| COLOR: | trans/clear | white/green | clear |
| VISCOSITY: | 18,000cps | 45,000cps | 50cps |
| SPEC. GRAVITY: | 1.08 | 1.10 | 1.0 |
| HARDNESS: | 10 SHORE A | 15 SHORE A | SOFTENING AGENT |
| TENSILE STRENGTH: | 375 psi | 400 psi | n/a |
| ELONGATION: | 500% | 480% | n/a |
| TEAR RESISTANCE: | 50 | 85 | n/a |

R-1310 A and R-1318 A are processed by adding the curing agent B. The addition of 10% catalyst (by weight) has a pot life of 45 minutes – 1 hour. Silicone has a trace of pigment for good dispersion. Softening agent F-50 can be used to create a gel like silicone medium for movement or additional soft feeling. After the mold (or part) has been removed from the master, it should be left for 24 hours in order to develop its maximum mechanical strength.