

# LAUR SILICONE

## LAUR RHS-XX SERIES SILICONE RUBBER

### HIGH STRENGTH SILICONE RUBBER

The RHS-XX series of materials are high strength silicone rubber compounds designed specifically for roller manufacturing. These compounds are characterized by high tensile and tear strength, with good compression set and good heat ageing properties. They are expected to retain good physical properties at up to 450° F (232° C). They are normally supplied in strip form, but it is possible to provide other custom packaging to meet specific needs.

#### TYPICAL PROPERTIES

Material	RHS-40	RHS-50	RHS-60	RHS-70
Durometer, Shore A	40	50	60	70
Tensile, psi	1,540	1,480	1,480	1,430
Elongation, %	930	800	660	500
Tear, die B, ppi	180	220	200	180
Modulus at 100% Elongation, psi	120	170	260	390
Specific Gravity	1.15	1.17	1.18	1.20
Compression Set, % 22 Hr. @ 350 °F	15	19	20	19
Standard Color	Red	Red	Red	Red

All slabs molded 10 minutes @ 340 °F

The properties listed above are typical values and are not intended to be used for writing specifications. For assistance in selecting a compound for a specific application, please contact our technical department.

#### SHELF LIFE

When stored below 90 °F, this series of materials has a shelf life of 3 months from date of sale.