

# LAUR SILICONE

## LAUR MHS-XX SERIES SILICONE RUBBER

### HIGH STRENGTH SILICONE RUBBER

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

#### PRODUCT FEATURE

Laur **MHS-XX** series Silicone Rubber has the following features:

Excellent Physical Properties	Excellent Bonding (when used with a primer)
Good Compression Set	Good Heat Aging Properties
High Resilience	Brittle Point –100 °F

#### TYPICAL PROPERTIES

Material	MHS-40	MHS-50	MHS-60	MHS-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.

#### FOOD GRADE STATUS

One or more components of Laur MHS-XX series of Silicone Rubber may NOT be listed in 21 CFR 177.2600. Therefore, this material is not recommended for use in applications requiring repeated contact with food.