

LAUR SILICONE

LAUR RHSB-XX SERIES SILICONE RUBBER

HIGH STRENGTH SILICONE RUBBER

Laur RHSB-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 aging properties. They are expected to retain physical properties up to 450° F (232° C). They are normally supplied in strip form but are available in custom packaging to meet specific needs.

TYPICAL PROPERTIES

Material	RHSB-30	RHSB-40	RHSB-50	RHSB-60	RHSB-70
Durometer, Shore A	30	40	50	60	70
Tensile, psi (MPa)	1,200 (8.3)	1,200 (8.3)	1,300 (9.0)	1,500 (10)	1,500 (10)
Elongation, %	1,000	850	700	600	500
Tear, die B, ppi (kN/m)	150 (26)	150 (26)	200 (35)	200 (35)	160 (28)
Modulus at 100% Elongation, psi (MPa)	84 (0.6)	110 (0.8)	160 (1.1)	250 (1.7)	390 (2.7)
Specific Gravity, g/cc	1.15	1.15	1.17	1.20	1.23
Compression Set, % 22 h @ 350 °F	25	12	17	10	12
Standard Color	Red	Red	Red	Red	Red

All slabs molded 10 minutes @ 340 °F

The properties listed here 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.

RHSB-XX Series

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