

LAUR SILICONE

LAUR 7440/XX SERIES SILICONE RUBBER

Si-Release[®] FDA Listed Components

The Laur 7440/XX series of materials offer exceedingly low surface energy properties which translates to excellent release through the use of the proprietary Si-Release[®] technology. The components of the Laur 7440/XX series are listed in 21 CFR 177.2600 for food applications*. These compounds were designed to offer good thermal conductivity and excellent heat stability. The series is intended to be used with a post cure. In most applications, the use of a primer is recommended.

TYPICAL PROPERTIES

Material	L-7440/50	L-7440/60	L-7440/70	L-7440/80	L-7440/90
Durometer, Shore A	50	60	70	80	90
Tensile, psi (MPa)	800 (5.5)	1000 (6.9)	875 (6.0)	1000 (6.9)	1150 (7.9)
Elongation, %	450	300	225	150	100
Tear B, ppi kN/m	75 (13)	80 (14)	80 (14)	70 (12)	90 (16)
Specific Gravity	1.35	1.45	1.61	1.72	1.75
Compression set 22 h @ 350 °F, %	6.7	9.2	9.4	10.6	13.6

ALL SLABS MOLDED 10 MINUTES @ 340 °F (171.1 °C); POST CURE 4 h @ 400 °F (204 °C)

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. * The regulations contains limitations on extractables which apply to the finished fabricated article. For this reason, compliance with such limitations is the responsibility of the end user

SHELF LIFE

When stored below 90 °F (32.2 °C), this material has a shelf life of 3 months from date of sale.

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Rev 4-16

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