

# LAUR SILICONE

## LAUR 7441/XX SERIES SILICONE RUBBER

### Si-Release<sup>®</sup> Thermally Conductive Silicone

The Laur 7441/XX series of materials offer exceedingly low surface energy properties which translate to excellent release through the use of the proprietary Si-Release<sup>®</sup> technology. These compounds at the same time offer good thermal conductivity and excellent heat stability. The series is intended to be used with a post cure. Practical field experience has shown that roll builders should use longer autoclave cure cycles to achieve good results without a post cure. In most applications, the use of a primer is recommended.

#### TYPICAL PROPERTIES

Material	L-7441/50	L-7441/60	L-7441/70	L-7441/80	L-7441/90
Durometer, Shore A	50	60	70	80	90
Tensile, psi (MPa)	950 (6.6)	1050 (7.2)	1100 (7.6)	1100 (7.6)	1100 (7.6)
Elongation, %	350	260	180	130	65
Tear B, ppi (kN/m)	65 (11.4)	65 (11.4)	60 (10.5)	55 (9.6)	55 (9.6)
Specific Gravity, g/cc	1.36	1.45	1.61	1.72	1.74
Compression set 22 h @ 350 F, %	17	18	20	24	30
Shrink @ 340 F, %	4	3	2.5	2.5	2
Resilience, %	65	61	58	55	44

ALL SLABS MOLDED 10 MINUTES @ 340 °F, POST CURED 4 h @ 402 °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.

L-7441-XX Series

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