RAYCHEM
INSTALITE MOLDED BOOTS
ADVANCED MATERIALS SCIENCE DRIVES 30% WEIGHT SAVINGS . . .
REDUCES INSTALLATION TIME WITH HIGH-PERFORMANCE
HEAT-SHRINK SHAPE MEMORY BOOTS
INSTALITE MOLDED BOOTS
High-Performance Heat-Shrink Boots

INSTALITE boots are a lighter weight alternative of our -25 heat-shrink boots. Utilizing our expertise in fluid-resistant, modified elastomers, we’ve created semi-rigid, abrasion-resistant boots that are up to 30% lighter than our standard -25 boots. INSTALITE boots offer the same balance of high-temperature fluid resistance and long-term heat resistance.

Product Performance

PHYSICAL CHARACTERISTICS
- Tensile strength: 10 MPa (1450 psi) min.
- Ultimate elongation: 400% min.
- Specific gravity: 1 (±0.05)

THERMAL CHARACTERISTICS
- Heat aging (168 hr @ 160°C): 400% min. ultimate elongation
- Heat shock (4 hr @ 215°C): 400% min. ultimate elongation
- Low-temperature flexing (4 hr @ -75°C): No cracking
- Flammability burn time: 120 seconds max

ELECTRICAL
- Electrical strength: 15 MV/m (4.6 MV/ft)

FLUID RESISTANCE
(Aviation Fuel, Hydraulic Fluids, Lubricating Oil, Cleaning Fluids, Deicers)
- After 24-hr immersion: 8 MPa (1160 psi) min. tensile strength
- 300% min. ultimate elongation

DOCUMENTS
- RW-3040: Product specification
- ELE-3COP-555: Installation of 90° boot
- ELE-3COP-554: Installation of straight boot

TOOLING
- Heat gun: CV 1981

INSTALLATION TIME
(Timings are representative across the range based on our codes of practice)
- System 25 boot: 2 minutes 24 seconds
- System 25L boot: 1 minute 41 seconds

Visit www.te.com/INSTALITE to view our installation video.

TE Components . . . TE Technology . . . TE Know-how . . .
AMP | Agastat | CII | Hartman | Kilovac | Microdot | Nanonics | Raychem | Rochester | DEUTSCH

Get your product to market faster with a smarter, better solution.
### Instalite Molded Boots

#### Straight Boot

![Diagram of Straight Boot]

**Part No.** | **H** | **J** | **P** | **R** | **HW** | **JW** | Avg Weight Savings
--- | --- | --- | --- | --- | --- | --- | ---
202K121-25L-O | 24 [0.95] | 10.4 [0.41] | 24 [0.95] | 5.6 [0.22] | 38 [1.50] | 21 [0.83] | 0.9 [0.04] | 20%
202K132-25L-O | 30 [1.18] | 14.2 [0.56] | 30 [1.18] | 5.9 [0.23] | 55 [2.17] | 32 [1.26] | 1.8 [0.07] | 1.0 [0.04] | 20%
202K142-25L-O | 31 [1.22] | 18 [0.71] | 31 [1.22] | 7.1 [0.28] | 67 [2.64] | 35 [1.38] | 1.8 [0.07] | 1.0 [0.04] | 20%
202K152-25L-O | 36 [1.42] | 22.4 [0.88] | 36 [1.42] | 8.4 [0.33] | 80 [3.15] | 42 [1.65] | 2.0 [0.08] | 1.0 [0.04] | 23%
202K174-25L-O | 60 [2.36] | 35.1 [1.38] | 60 [2.36] | 15.7 [0.62] | 130 [5.12] | 72 [2.83] | 3.3 [0.13] | 1.5 [0.06] | 22%
202K185-25L-O | 66 [2.60] | 44.5 [1.75] | 66 [2.60] | 16.8 [0.66] | 170 [6.69] | 90 [3.54] | 3.8 [0.15] | 2.0 [0.08] | 21%

See the latest Specification Control Document for full dimensions.

#### Right-Angle Boot

![Diagram of Right-Angle Boot]

**Part No.** | **H** | **J** | **P** | **R** | **HW** | **JW** | Avg Weight Savings
--- | --- | --- | --- | --- | --- | --- | ---
222K121-25L-O | 24 [0.95] | 10.4 [0.41] | 24 [0.95] | 5.6 [0.22] | 25 [0.98] | 19 [0.75] | 1.3 [0.05] | 0.5 [0.02] | 30%
222K132-25L-O | 30 [1.18] | 14.2 [0.56] | 30 [1.18] | 5.9 [0.23] | 32 [1.26] | 27 [1.06] | 1.5 [0.05] | 0.8 [0.03] | 26%
222K142-25L-O | 31 [1.22] | 18 [0.71] | 31 [1.22] | 7.1 [0.28] | 39 [1.54] | 31 [1.22] | 1.2 [0.04] | 1.0 [0.04] | 21%
222K152-25L-O | 36 [1.42] | 22.4 [0.88] | 36 [1.42] | 8.4 [0.33] | 46 [1.81] | 38 [1.50] | 1.5 [0.06] | 1.0 [0.04] | 26%
222K163-25L-O | 43 [1.69] | 28.2 [1.11] | 43 [1.69] | 9.9 [0.39] | 55 [2.17] | 45 [1.77] | 2.0 [0.08] | 1.0 [0.04] | 21%
222K174-25L-O | 60 [2.36] | 35.1 [1.38] | 60 [2.36] | 15.7 [0.62] | 80 [3.15] | 54 [2.13] | 2.3 [0.09] | 1.5 [0.06] | 23%
222K185-25L-O | 66 [2.60] | 44.5 [1.75] | 66 [2.60] | 16.8 [0.66] | 108 [4.25] | 68 [2.68] | 1.8 [0.07] | 2.0 [0.08] | 25%

See the latest Specification Control Document for full dimensions.
For More Information

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