

# STAR Technology

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## FLEX-SEAL 150

### Flexible Epoxy Casting Compound

#### DESCRIPTION

FLEX-SEAL 150 is a fast setting room temperature cure, DOT Non-Hazardous, flexible potting compound. Flex Seal 150 is designed for shock sensitive components, and moisture proofing electronic assemblies and sub-assemblies. FLEX-SEAL 150 is also ideal for potting submersible pump leads and brake coils. FLEX-SEAL 150 bonds easily to metal frames and lead wires. This product may contain fillers that may settle over time. Product may need to be stirred before using. Customer must determine suitability of product before using. FLEX-SEAL 150 is available in 1# kits, 2# kits, 1 gallon pails, 5 gallon pails, and 55 gallon drums.

Data contained herein are believed to be reliable. Fit-for-use testing should be conducted by each user.

#### BENEFITS

DOT Non-Hazardous  
Convenient pre-measured kits

#### TYPICAL PROPERTIES

Gel Time [100g Mass at Room Temperature] (minutes):	25
Shore A Hardness:	90
Lap Shear [CRS to CRS] (psi):	>1,000
Water Absorption [96 Hour] (%):	0.52
Heat Loss [96 Hour 80°C] (%):	1.76
Shrinkage (%):	0.14
Part A:	
Specific Gravity (g/cc):	1.76
Viscosity (cps):	70,000
Color:	Black
Part B:	
Specific Gravity (g/cc):	1.02
Viscosity (cps):	8,500
Color:	Amber
Mixed Product:	
Specific Gravity (g/cc):	1.58
Viscosity (cps):	13,000
Color:	Black
Mix Ratio:	
By Weight:	100:33
By Volume:	100:56
Dielectric Strength (V/mil):	375
Thin Film Dielectric Strength (V/mil):	700
Thermal Conductivity (W/mK):	0.29
Shelf Life (months):	12

To the best of our knowledge, the information contained herein is accurate. However, STAR TECHNOLOGY, Inc., does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. The information contained herein is considered typical properties and is not intended to be used as specifications for our products. This information is offered solely to assist purchaser in selecting the appropriate products for purchaser's own testing. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein and in the material safety data sheet, we cannot guarantee that these are the only hazards that exist. Repeated and prolonged exposure to epoxy resins can cause sensitization or other allergic responses.



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#### APPLICATION PROCEDURES

Carefully weigh out appropriate amounts of resin and hardener into a clean mixing container and thoroughly mix until all streaks and striations are gone. Scrape the sides and bottom frequently to ensure complete mixing.

For 1# and 2# kits, add all of Part B to Part A and mix thoroughly.

*CAUTION:* Unmixed compound from the sides or bottom of the container can cause soft spots or uncured areas in the completed piece. To prevent this, transfer the entire mixed contents to a second clean container and remix for a short time before using.

#### PRECAUTIONS

For industrial use only. Keep away from children. Refer to the Material Safety Data Sheets (MSDS forms) pertaining to this product before using. Avoid contact with skin or eyes. In the event of an eye splash or contact, immediately flush with cold water for 15 minutes and contact a physician. If skin contact occurs, wash with mild soap and water. The wearing of safety glasses with side shields and impervious gloves is recommended.

#### WARNING STATEMENT

May cause allergic skin reaction. Avoid all contact with skin, eyes, and clothing. Wash thoroughly after handling.

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