

STAR Technology

FORMULATING • INNOVATIVE • SOLUTIONS

ST-36-2

Two-Part Solventless Drizzle Coat

DESCRIPTION

ST-36-2 is a two part epoxy designed for use as an electrical impregnating resin. ST-36-2 is a DOT non-corrosive compound with a convenient mix ratio for easy use of meter mix and dispense machines. The cured material shows excellent resistance to a variety of chemicals including; water, alkali, hydrocarbons, glycol ethers, ketones, detergents, and chlorinated hydrocarbon solvents. ST-36-2 is available in 50 gram burst packs, 100 gram burst packs, 1 # kits, 2# kits, 1 gallon pails, 5 gallon pails, and 55 gallon drums. ST-36-2 is available in two viscosities: ST-36-2 1K has mixed viscosity of 1,000 cps and ST-36-2 10K has mixed viscosity of 10,000 cps.

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

TYPICAL PROPERTIES (cured 7 Days at 75 °F)	TEST METHOD	VALUE
Gel Time [100 Gram Mass at 75 °F] (minutes):	ASTM D2471	30
Cure Time (hours):		24
Shore D Hardness:	ASTM D2240	80
Lap Shear [CRS to CRS] (psi):	ASTM D1002	
23 °C:		1,300
150 °C:		100
Tensile Strength (psi):	ASTM D638	6,000
Tensile Modulus (psi):		363,000
Elongation (%):		4.0
Twisted Coil Bond Strength (N):		174
Flexural Strength (psi):	ASTM D790	15,000
Flexural Modulus (psi):		400,000
Tg (°C):	ASTM D3418	128
Handling Strength (hours):		10-12
Thermal Class (preliminary):		H
Dielectric Breakdown Strength [4 mil] (V/mil)	ASTM D149	1992
Part A:		
Specific Gravity (g/cc):	ASTM D1475	1.16
Viscosity (cps):	ASTM S2393	
ST-26-2 10K:		12,000
ST-36-2 1K:		1,500
Color:		Clear
Part B:		
Specific Gravity (g/cc):	ASTM D1475	1.02
Viscosity (cps):	ASTM D2393	600
Color:		Light Straw

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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Mixed Product:		
Specific Gravity (g/cc):	ASTM D1475	1.13
Viscosity (cps):	ASTM S2393	
ST-26-2 10K:		10,000
ST-36-2 1K:		1,000
Color:		Light Straw
Mix Ratio:		
By Weight:		100:25
By Volume:		4:1
Shelf Life (months):		12

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.

RESIN AND HARDENER WARNING STATEMENT

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