



LACKTHERM® 1313 H

Code: 10001637

PRODUCT DESCRIPTION

Single-component impregnation varnish based on modified polyester-imide, thermal class H, oven-cured.

RECOMMENDED USE

Motors with high resistance to chemical agents.
Low voltage motors and generators, all power ratings.
Hermetic motors.

PROPERTIES

Excellent flexibility.
Excellent dielectric properties.
Excellent mechanical properties.

APPLICATION SYSTEMS

Immersion

CERTIFICATIONS AND APPROVALS

Product in compliance with RoHS directive.

PACKAGING

Pail 20 L

CHARACTERISTICS

Color	DARK AMBER
Viscosity	40 - 60" CF4 (ASTM D1200/94)
Specific Gravity	1.00 +/- 0.01 g/cm ³ (ASTM D1475/98)
Solids by Weight	49+/-2 % (ASTM D2697/03)
Thermal Class	180 °C (DIN 46452/77)
Dielectric Strength	60 - 90 kV/mm (IEC 60464-2)
AC/DC	AC/DC
Wire Compatibility	H
VOC content	377.81 g/l
Note	This product ensures effective sealing of components, helping to ensure that the extraction of R134a refrigerant gas remains within the maximum limit permitted by standard NBR 13953, with a loss of no more than 0.7%. The color tone may vary. However, these variations do not affect the technical properties or performance of the material. For applications requiring improved chemical resistance (hermetic motors, contact with oil and refrigerant gases), it is recommended to cure the part for 10h - 12h at 135°C - 150°C.
Shelf Life	12 months

APPLICATION DATA

Component B	MONOCOMPONENT
Curing Time	6 - 8 h

Curing Temperature	130 - 150 °C
Thinner	DILUENT RESIN LACKTHERM® 1102

RECOMMENDATIONS

- Keep the package closed after partial use.
- Use in a well-ventilated location.
- Keep in a cool place, away from ignition points.
- Do not use varnish on insulation systems containing MICA tapes.

SAFETY PRECAUTIONS

- This product has been developed for industrial use and is intended to be handled by qualified professionals. Carefully read all the information contained in the Safety Data Sheet (SDS) available at: www.weg.net.
- When handling this product, use the Personal Protective Equipment (PPE) as indicated in the product's SDS.
- Empty packaging and materials with product residues must be disposed of in accordance with current legislation. Preserve the environment.

NOTE

- The information contained in this technical bulletin is based on the experience and field knowledge acquired by the WEG technical team. If the product is used without prior consultation with WEG regarding its suitability for the intended application, the customer acknowledges that such use is at their sole responsibility. WEG does not assume any liability for the behavior, safety, suitability, or durability of the product.
- Some of the information provided in this bulletin is based on estimates and may vary due to factors beyond the manufacturer's control. Therefore, WEG makes no guarantees and assumes no responsibility for yield, performance, or for any material or personal damages resulting from the improper use of the products or the information contained in this Technical Data Sheet.
- The information contained in this document is subject to periodic changes without prior notice, in line with our policy of continuous improvement and development of products and services, aiming to deliver quality solutions that meet our customers' needs.