

# POLI W 180/39900 PEI H

**Code:** 17705039

## PRODUCT DESCRIPTION

Polyester-imide-based enamel varnish, thermal class H.

## RECOMMENDED USE

Round copper wires - nominal diameter from 1.024 to 5.189 mm.

Grade 1.

Grade 2.

## APPLICATION SYSTEMS

Conventional horizontal and vertical enameling machines.

## CERTIFICATIONS AND APPROVALS

UL certified product.

Product in compliance with RoHS directive.

## PACKAGING

Drum 210 kg

## CHARACTERISTICS

|                             |                                                                                                                                                                                     |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Color</b>                | AMBER                                                                                                                                                                               |
| <b>Viscosity</b>            | 600 - 800 CP (ASTM D2196)                                                                                                                                                           |
| <b>Specific Gravity</b>     | 1.10 +/- 0.02 g/cm <sup>3</sup> (ASTM D1475/98)                                                                                                                                     |
| <b>Solids Content</b>       | 37+/-2 % (ASTM D2697/03)                                                                                                                                                            |
| <b>Thermal Class</b>        | 180 °C (DIN 46452/77)                                                                                                                                                               |
| <b>Dielectric Strength</b>  | 8 kV (IEC 60464-2)                                                                                                                                                                  |
| <b>Tangent Delta</b>        | 140 - 170 °C                                                                                                                                                                        |
| <b>Tangent Delta</b>        | The Tangent Delta analysis was performed in accordance with IEC 60851-5. The reported value is indicative and may vary depending on application conditions and material processing. |
| <b>Heat Shock</b>           | 200 °C                                                                                                                                                                              |
| <b>Thermoplasticity</b>     | 370 °C (IEC 60851-6)                                                                                                                                                                |
| <b>Higher Heating Value</b> | 31.672 J/g (7565 cal/g)                                                                                                                                                             |
| <b>VOC content</b>          | 149.07 g/l                                                                                                                                                                          |
| <b>Shelf Life</b>           | 12 months                                                                                                                                                                           |

## APPLICATION DATA

**Thinner** DILUENT POLI W 1103

## RECOMMENDATIONS

Keep the package closed after partial use.

Use in a well-ventilated location.

Keep in a cool place, away from ignition points.

## 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](http://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.

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**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.

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