



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 463 lb

CHARACTERISTICS

Color	AMBER
Viscosity	600 - 800 CP (ASTM D2196)
Specific Gravity	1.10 +/- 0.02 g/cm ³ (ASTM D1475/98)
Solids Content	37+/-2 % (ASTM D2697/03)
Thermal Class	356 °F (DIN 46452/77)
Dielectric Strength	8 kV (IEC 60464-2)
Tangent Delta	284 - 338 °F
Tangent Delta	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.
Heat Shock	392 °F
Thermoplasticity	698 °F (IEC 60851-6)
Higher Heating Value	31.672 J/g (7565 cal/g)
VOC content	1.24 lb/gal
Shelf Life	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.

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.

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