

Description

The POL100 and POL200 3D Printing Polyimide Tapes are very good electric insulators, that are able to withstand extreme environments. They are perfectly suited for heated 3D printer platforms for printing with ABS (acrylonitrile butadiene styrene) and HIPS (high impact polystyrene) filaments.

Key Features and Benefits

- Doesn't soften at elevated temperatures
- Excellent surface release at high temperatures
- REACH compliant

ENVIRONMENT
Meets RoHS directive

Properties

Mechanical Properties	Values
Appearance	Smooth, bubble and wrinkle-free
Thickness	2.4 mil ± 0.08 mil [60 µm ± 2 µm]
Film Thickness	1.0 mil [25 µm]
Material Characteristics	Soft and Flexible
Tensile Strength (Elasticity)	140 MPa
Elongation (%)	40%
180° Peel Strength	6.0–6.5 N /25 mm
Temperature resistance at 260 °C	30 min
Electrical Properties	Values
Dielectric Strength	150 kV/mm [3810 V/mil]
Withstand Voltage	6 kV
Surface Resistivity	1.0×10^{-13} /sq
Volume Resistivity	1.0×10^{-15} ·cm
Dielectric Constant @1 MHz	3–4
Dielectric Loss Angle @ 1 MHz	1.0×10^{-3}

Note: Unless otherwise specified, properties were obtained at 25 °C.

Product Availability

Cat. No.	Sizes Available
POL100	10 cm x 15 m (4 in x 49 ft)
POL200	20 cm x 15 m (8 in x 49 ft)



ISO 9001 Registered Quality System,
Burlington, Ontario, Canada QMI File # 004908

3D PRINTING POLYIMIDE TAPE POL100 / POL200 Technical Data Sheet

POL100 / POL200

Technical Support

Contact us regarding any questions, improvement suggestions, or problems with this product. Application notes, instructions, and FAQs are located at www.mgchemicals.com.

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Warranty

M.G. Chemicals Ltd. warrants this product for 12 months from the date of purchase by the end user. M.G. Chemicals Ltd. makes no claims as to shelf life of this product for the warranty. The liability of M.G. Chemicals Ltd. whether based on its warranty, contracts, or otherwise shall in no case include incidental or consequential damage.

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