



PROFESSIONAL PLASTICS, INC.

Leading Global Supplier of Engineered Plastic Shapes

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Meldin® 2001 Polyimide

General Notes on Meldin 2000 Series Bearing Products:

For High-Temperature, Close-Tolerance Applications. Able to withstand temperatures of 600°F with excursions to 900°F, the Meldin® 2000 Series can be machined into various configurations, from rod or sheet stock shapes. Black in color. Meldin® 2000 Series offers very high compression strength, high creep resistance, and superb dimensional stability.

Specific Notes on Meldin® 2001 Formulation:

Meldin® 2001 is best suited for thermal and electrical insulation and radiation resistance. Meldin® 2001 has the highest compressive strength properties of any material in the series.

Applications include: Appliances, Automotive, Industrial, Semiconductor, Transportation.

Specification Notes: Note that the specifications given for this product are typical specifications for the Meldin® 2000 Series, and individual products will vary as indicated in the material notes.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	<= 93.1 MPa	<= 13500 psi	ASTM D-882
Flexural Modulus	<= 4.48 GPa	<= 650 ksi	
Flexural Yield Strength	<= 145 MPa	<= 21000 psi	
Compressive Strength	<= 276 MPa	<= 40000 psi	
Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	>= 316 °C	>= 600 °F	UL-746 B

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