



Semitron® MDS 100 Advanced Material for IC Test Sockets

Semitron MDS 100 is a strong, stiff platform for applications such as: Test sockets for semiconductor test and package equipment - Fixtures for electronics testing - Mounting points for precision diagnostic equipment - Positioning platforms for miniature motion control devices.

Fullerton, CA, July 23, 2008 --(PR.com)-- Engineers and designers of equipment that require precise, reliable tolerances will have more options for new or upgraded part designs with Quadrant's new Semitron® MDS 100 machining stock.

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With a Flexural Modulus (ASTM D790) in excess of 1,400,000 psi and extremely low moisture absorption (24 hr., ASTM D570) of .10%, Semitron MDS 100 delivers performance that solves engineering problems associated with uncontrolled application environments. Its low Coefficient of Linear Thermal Expansion (ASTM E831) of 1.1×10^{-5} also contributes to its remarkable stability. The Heat Deflection or softening temperature (ASTM D648) is 410° F (210° C).

Semitron MDS 100 sheet is available from stock in range of thicknesses from 1 mm to 6 mm (.04 to .236") in sheet sizes of 250 mm x 250 mm (9.84") and 500 mm x 500 mm (19.68"). Other thicknesses are possible.

Semitron® MDS 100 has a remarkable combination of strength, stiffness and stability. It was developed to be used in uncontrolled application environments or where a high level of precision is required. It is an ideal choice for semiconductor test sockets, nests and fixtures in test and package equipment.

Moisture absorption of .10% at 24 hrs. (per ASTM D570).

Thermal performance to 410°F (210°C)

Flexural modulus > 1,400,000 psi

For more details, contact Professional Plastics at (888) 995-7767 or e-mail to sales@proplas.com

Additional information is available online at

<http://www.professionalplastics.com/SemitronMDS100Quadrant>

www.professionalplastics.com/SemitronMDS100Quadrant

Professional Plastics operates 15 locations in the USA & Asia, as well as provide service and support in Europe.

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