The Ultimate in Moisture Management and Air Purification

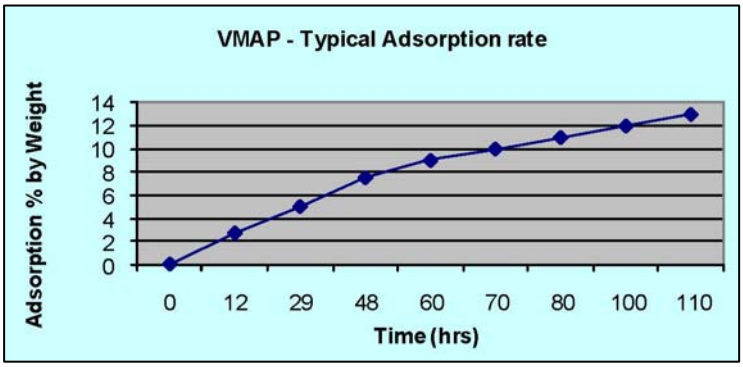
Technical Data Paper

Versatile Moisture Absorbing Polymer

VMAP is a molecular sieve desiccant combined with a polymer to form a versatile product which adsorbs moisture and humidity. VMAP is also capable of adsorbing odors and volatile organic compounds. VMAP can be molded into precise shapes providing maximum space utilization along with the ability to be bonded or mounted in place.

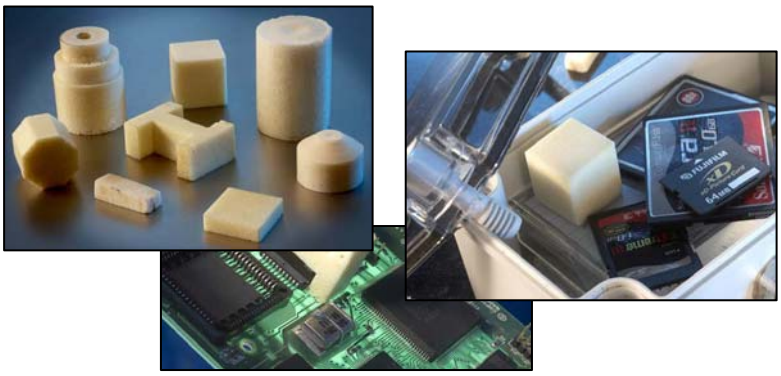
Key Features

- High strength & stiffness
- Good dimensional stability
- Excellent electrical insulator
- Mechanically stable
- Moldable for complicated shapes
- Machineable
- Low dusting
- High temperature resistance
- Maximum space utilization
- Complex shape molding
- Controlled adsorption rate



Applications

- Electronics
- Optics
- Telecommunications
- Packaging
- Underwater Systems
- Hi Voltage Switchgear
- Lasers
- Semiconductors
- Computers



Specifications

Polymer: TCP

Desiccant: Molecular Sieves

Operating Temperature: +90 °C to -40 °C

Adsorption Capacity (NOM): 10-15% by weight at 50%rh at 22 °C

Adsorption Rate: 0.03 grams per hour

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