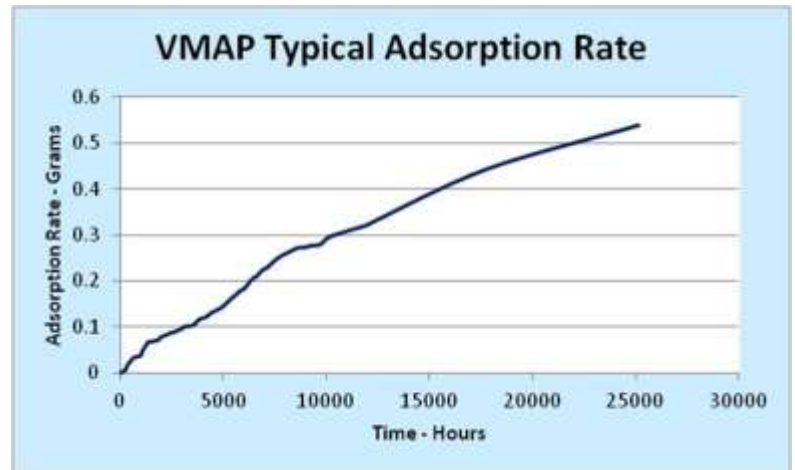


## Versatile Moisture Adsorbing Polymer

Versatile Moisture Adsorbing Polymer 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 odours and volatile organic compounds. VMAP can be moulded into precise shapes providing maximum space utilisation along with the ability to be bonded or mounted in place.

### Key Features

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



*This chart indicates the rate of moisture adsorption of VMAP when exposed to conditions of 50% RH at 22°C sample size 50mm x 30mm x 8mm*

### Applications

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



### Specification

Polymer: TCP

Desiccant: Molecular Sieves (60%)

Operating Temperature: -40°C to +90°C

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

Typical Adsorption Rate: 0.03 grams per 20 days

*VMAP can be moulded or machined from standard stock sizes to meet the demands ranging from prototyping to high volume production applications.*