



28S
Microencapsulated
Phase Change Material
Phase Change: 28°C, 82.4°F



DESCRIPTION

Micronal is an acrylic PCM. It is primarily used as a functional component in foams, building materials, and thermal management systems, for temperature regulation to improve comfort and climate conditions.

APPLICATIONS

The applications for phase change materials are limited only by the imagination. Some common uses for Micronal at this temperature include:

- **Bedding** – to provide desired human comfort requirements such as a cool touch effect to mattresses, pillows, and mattress ticking.
- **Building Materials** – to increase the energy efficiency of residential and commercial buildings.

PACKAGING

Slurry is generally shipped in plastic drums (140 kg) or IBC totes (850 kg).

HEALTH AND SAFETY

Please refer to the Safety Data Sheet (SDS) for necessary safety and handling precautions for this product.

PROPERTIES

Micronal 28S typically exhibits these general properties:

Typical Properties

| | |
|------------|-----------------------------------|
| Appearance | White to slightly off-white color |
|------------|-----------------------------------|

| | |
|------|-------------------------|
| Form | Slurry (43% ± 1 solids) |
|------|-------------------------|

| | |
|----------------------|------------|
| Particle size (mean) | 1-5 micron |
|----------------------|------------|

| | |
|---------------|-------------|
| Melting point | 28°C, ± 2°C |
|---------------|-------------|

| | |
|----------------|----------|
| Heat of fusion | ~140 J/g |
|----------------|----------|

Visit www.microtek-labs.com or call 937.236.2213 for more information on your thermal management needs.

IMPORTANT NOTE: This data has been compiled from testing that Microtek Labs believes reliable and is supplied for informational purposes only. Microtek Labs encourages purchasers to validate this data and the product's fitness for use in the purchaser's process by performing their own tests.

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