Climate Control
MICRONAL® PCM

24D

Microencapsulated Phase Change Material

Phase Change: 24°C, 75.2°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

Dry powder is generally shipped in fiber drums (64 kg) or super sacks (295 kg).

HEALTH AND SAFETY

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

PROPERTIES

Micronal 24D typically exhibits these general properties:

Typical Properties	
Appearance	White to slightly off-white color
Form	Dry powder (≥ 98% solids)
Particle size (mean)	ca 50 – 300 micron
Melting point	24°C, ± 2C°
Heat of fusion	105 J/g

Visit **www.microteklabs.com** or call **937.236.2213** for more information on your thermal management needs.

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