

ENERGY

INSULATION

Solvents in insulation material for refrigerators

Why is the role of solvents essential?

High-quality insulation is critical for energy savings and for cutting CO₂ emissions, supporting climate goals through proven energy efficiency measures.

Refrigerators, essential in every household, run non-stop – 24 hours a day, 7 days a week. To reduce their energy footprint, it's vital to maintain peak cooling capacity with minimal power consumption.

Here, advanced insulation materials make the difference. Cyclopentane, a hydrocarbon solvent used as a blowing agent, improves the thermal performance of insulating foams. The result: a high-quality barrier that reduces heat transfer, lowers electricity use, and cuts emissions.

By enabling energy-efficient refrigeration, Cyclopentane-foamed insulation shows how chemistry drives sustainability, delivering measurable benefits for households and the environment.

PROFESSIONAL & INDUSTRIAL USE



SPOT ON

Cyclopentane (CAS: 287-92-3 – EC: 206-016-6)



Benefit Green Deal

Globally competitive and resilient industry - Cleaner energy and cutting-edge clean technological innovation

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