



Trans-DCE: A Strategic Co-Blowing Agent

Why Trans-DCE?

Trans-1,2-dichloroethylene (Trans-DCE) is an effective co-blowing agent that enhances polymer foam formulations when used in combination with primary blowing agents.

Featuring zero Global Warming Potential (GWP) and zero Ozone Depletion Potential (ODP),

Trans-DCE supports the development of high-performance, low-GWP foam technologies to help manufacturers:

- Improve product performance
- Optimize foam processing
- Meet environmental regulations

Advancing Today's Polymer Foam Technologies

Trans-DCE is an ideal additive for major systems, including:

- Polyurethane (PU)
- Polypropylene (PP)
- Extruded Polystyrene (XPS)
- Polystyrene (PS)
- Polyethylene (PE)

Key Performance Benefits

Enhanced Foam Structure and Performance

- Promotes uniform cell nucleation and finer foam structure
- Reduces defects such as voids and irregular cells
- Improves thermal resistivity, resulting in a higher R-value

Cost Optimization

- Enables greater use of cost-effective hydrocarbon blowing agents
- Reduces reliance on higher-cost components and additives
- Improves blowing-agent efficiency and formulation economics

Improved Processing Efficiency

- Enhances compatibility between blowing agents and polymer systems
- Reduces melt viscosity for smoother extrusion or mixing
- Improves processing stability and production throughput

Environmental Compliance

- Zero Ozone Depletion Potential (ODP)
- Zero Global Warming Potential (GWP)
- Supports low-GWP blowing-agent formulations

Improved Fire Performance

- Helps suppress flame spread in foam
- Reduces smoke generation during combustion
- May reduce reliance on additional flame-retardant additives

Discover how you can benefit from The Power of Purity®.

Contact info@diversifiedcpc.com or visit [diversifiedCPC.com](https://www.diversifiedCPC.com).

