



Technical Data Sheet Expancel® DE Microspheres

Specification

(values presented on Certificate of Analysis)

Expancel® grade	True density ⁽¹⁾ kg/m ³
044 DET 40 d25	22–28

Typical characteristics

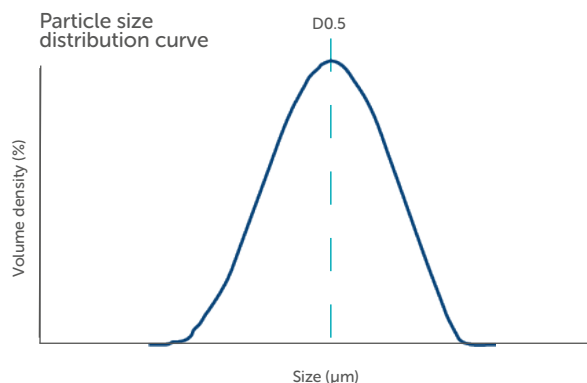
Particle size ⁽²⁾ D(0.5), µm	Solvent resistance ⁽³⁾	Treated with Silica
40	4	15 %

Product information

- DE = Dry powder of expanded Expancel® microspheres
- Use the product within three years after production date, if unopened.

References

- 1) **Density:** measured by pycnometer to ensure the specified density of expanded microspheres.
More information: "Density measurements of Expancel® microspheres".
- 2) **Particle size:** measured by laser diffraction; Low Angle Laser Light Scattering (LALLS). D(0.5) = average particle size.
More information: "Particle size of Expancel® microspheres".



- 3) **Solvent resistance:** The microspheres are immersed in pure, liquid chemical or water solution of the chemical and tumbled for 24 h at 40°C (104°F). After drying the density is measured, and any discoloration is visually observed.
More information: "Chemical resistance of Expancel® microspheres".

Solvent resistance rating:

- 5 = no unfavorable effects expected
- 4 = special care needed if mixed for prolonged periods or at elevated temperatures
- 3 = poor chemical resistance

These ratings are not conclusive. We recommend that you carry out your own tests with regard to the intended use of Expancel® microspheres.

More information

To find out more about our microspheres, visit our website:

nouryon.com/products/expancel-microspheres



or contact us at:

E: info.expancel@nouryon.com



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