



## Technical Data Sheet Expancel<sup>®</sup> DE Microspheres

### Specification

(values presented on Certificate of Analysis)

Expancel <sup>®</sup> grade	True density <sup>(1)</sup> kg/m <sup>3</sup>
044 DET 40 d40	36–44

### Typical characteristics

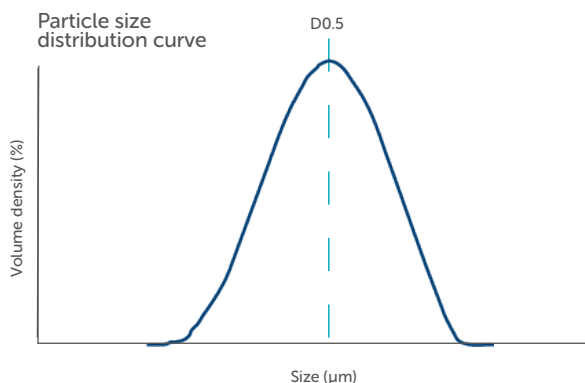
Particle size <sup>(2)</sup> D(0.5), μm	Solvent resistance <sup>(3)</sup>	Treated with Silica
40	4	15 %

### Product information

- DE = Dry powder of expanded Expancel<sup>®</sup> 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](https://nouryon.com/products/expancel-microspheres)



or contact us at:

E: [info.expancel@nouryon.com](mailto:info.expancel@nouryon.com)



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