



## Product specification Expancel DE

Expancel	Particle size D(0.5) <sup>(1)</sup> µm	True density <sup>(2)</sup> kg/m <sup>3</sup>	Solvent resistance <sup>(3)</sup>
920 DE 40 d30	35–55	27–33	5
920 DET 40 d25	30–60	22–28	5
920 DE 80 d30	55–85	27–33	5
043 DET 80 d20	60–95	17–23	4

### New product:

920 DET 20 d40	13–30	36–44	5
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### Product information

- Expancel DE = Dry powder of expanded Expancel Microspheres
- Packed in cartons with 1, 4, 5 or 6 polyethylene bags, e.g. 4x3 kg Expancel 920 DET 40 d25. Volume of carton 1.15 m<sup>3</sup>, incl pallet
- Use the product within three years after production date, if unopened.
- Not all grades available in all locations. Check local sales office for availability.

## References

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

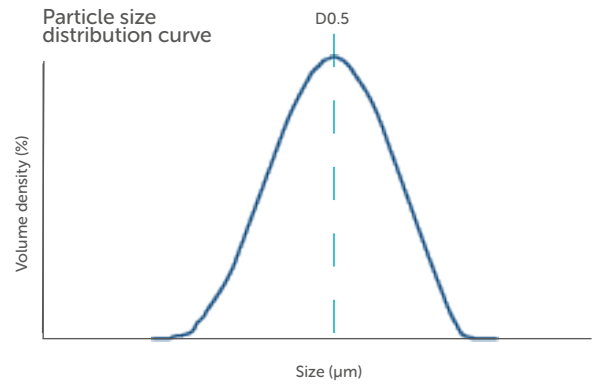
### Solvent resistance rating:

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.



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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