



Product specification Expancel® DE Microspheres

Expancel® grade	Particle size D(0.5) ⁽¹⁾ µm	True density ⁽²⁾ kg/m ³	Solvent resistance ⁽³⁾
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 products:

920 DET 20 d40	13–30	36–44	5
HP92 DET 80 d45	60–85	42–50	5

Product information

- DE = Dry powder of expanded Expancel® Microspheres
- Packed in cartons with 1, 4, 5 or 6 polyethylene bags, e.g. 4x3 kg 920 DET 40 d25. Volume of carton 1.15 m³, 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® Microspheres".
- 2) **Density:** measured by pycnometer to ensure the specified density of expanded microspheres.
More information: "Density measurements 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".

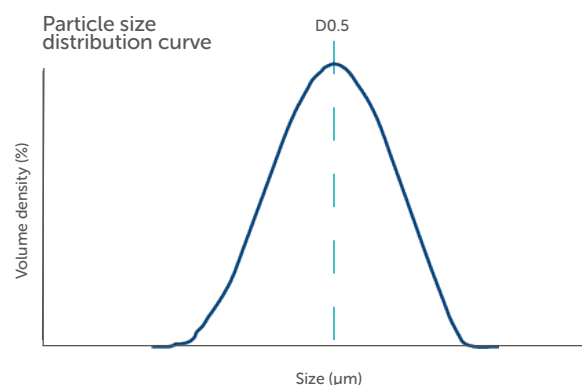
Solvent resistance rating:

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.



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

nouryon.com/products/expancel-microspheres

or contact us at:

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