



Product specification Expancel DE

Expancel	Particle size D(0.5) ⁽¹⁾ µm	True density ⁽²⁾ kg/m ³	Solvent resistance ⁽³⁾
551 DE 40 d42	25–50	42 ± 4	3
461 DE 20 d70	15–25	70 ± 6	4
461 DE 40 d60	20–40	60 ± 5	4
461 DET 40 d25	35–55	25 ± 3	4
920 DE 40 d30	35–55	30 ± 3	5
920 DET 40 d25	30–60	25 ± 3	5
920 DE 80 d30	55–85	30 ± 3	5

New product:

043 DET 80 d20	60–95	20 ± 3	4
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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. 4x5 kg Expancel 551 DE 40 d42. 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.

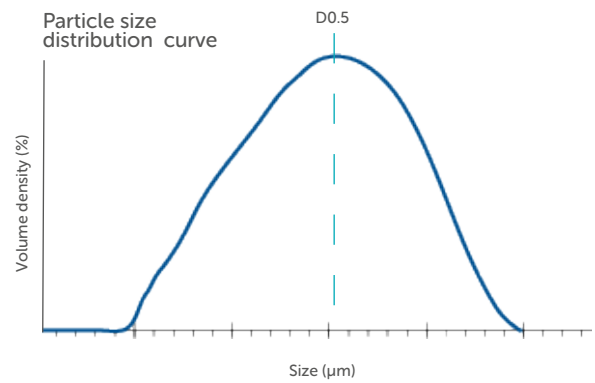
References

- 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".
- 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 dabled for 24 h at 40°C (104°F). After drying the density is measure, 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

or contact us at:
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