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Product specification
Expancel® DE Microspheres

Expancel® grade	Particle size D(0.5) [1] µm	True density [2] kg/m³	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.

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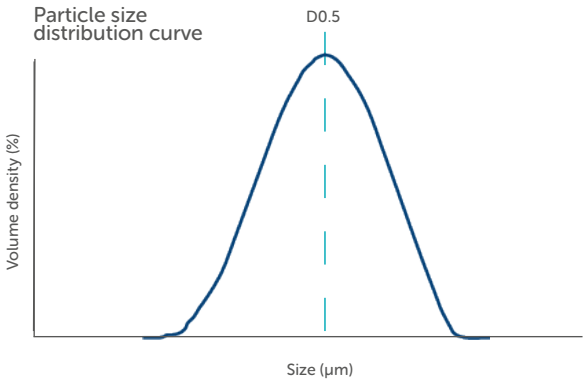
References

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:
E: info.expancel@nouryon.com

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