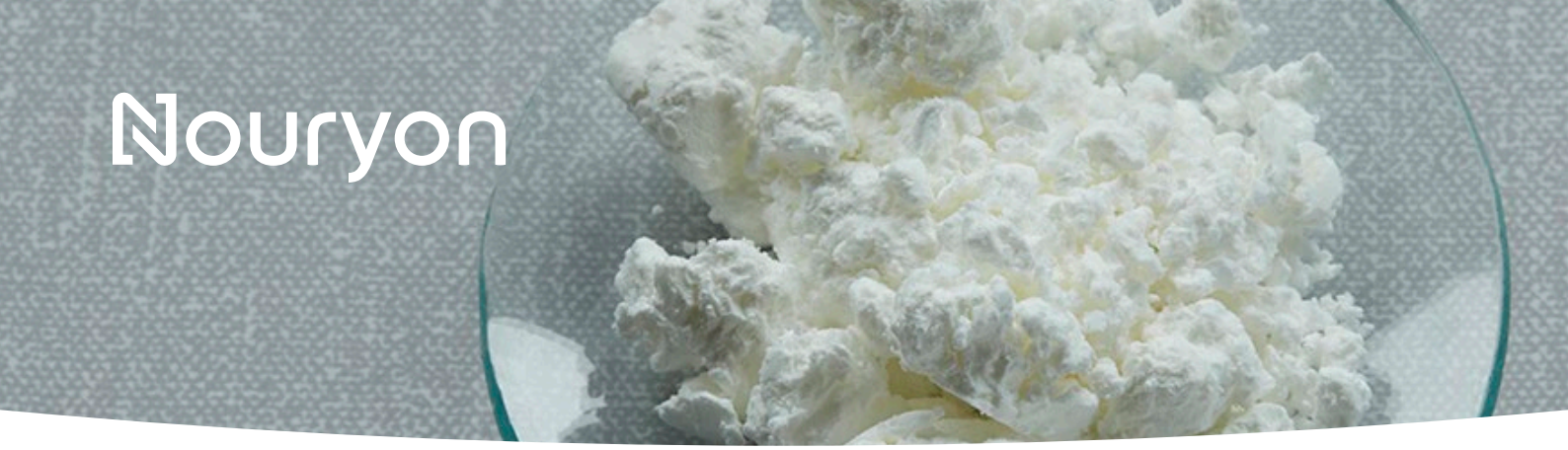

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Technical Data Sheet
Expancel® WE Microspheres

Specification

(values presented on Certificate of Analysis)

Grade	Solid content %	True density (1) kg/m³
920 WE 40 d24*	13–17	21–27
921 WE 40 d24	8.5–11.5	21–27

New product:

044 WE 20 d36	13–17	32–42

Typical characteristics

Particle size(2) µm	True volume (3) l/kg	Solvent resistance (4)
40	6.3	5
40	4.2	5
20	4.2	3

Product information

- WE = Wet, expanded Expancel® microspheres
- Use the product within two years after production date, if unopened.
- Not all grades available in all locations. * 920 WE 40 d24 only available in China and the US.

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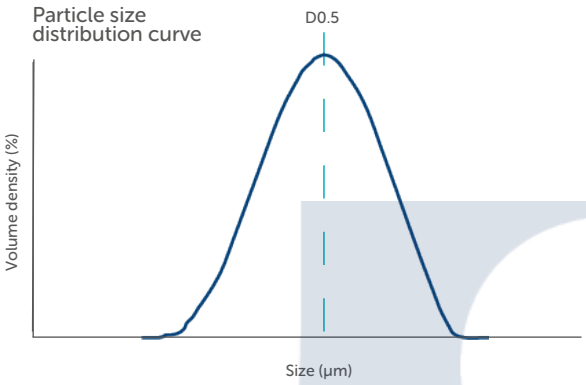
References

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) **True volume**: the correlation between solid content and density of microspheres.More information: "Analythical method no 22".
4) **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:

RAJSHALA

2024-01

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