



Technical Data Sheet Expancel® WU Microspheres

Specification

(values presented on Certificate of Analysis)

Expancel® grades	Thermomechanical Analysis ⁽¹⁾			Particle size D(0.5) ⁽²⁾ µm	Solid content ⁽³⁾ %
	Tstart °C	Tmax °C	Density kg/m ³		
031 WUF 40	80–95	118–133	≤ 12	10–16	73.5–78.5
007 WU 40	91–99	138–143	≤ 15	10–16	68.5–73.5
007 WUF 40	91–99	138–143	≤ 15	10–16	68.5–73.5
053 WU 40	95–102	136–144	≤ 20	10–16	68.5–73.5
043 WU 80	94–114	144–164	≤ 10	16–24	67–75
920 WUF 40	121–131	168–178	≤ 17	10–16	68.5–73.5
909 WU 80	118–128	172–187	≤ 10	18–24	68.5–73.5

New products:

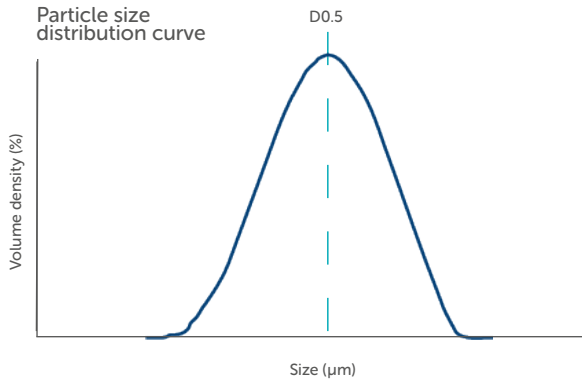
044 WU 20	100–108	143–160	≤ 25	6–9	65–80
044 WU 40	98–108	150–170	≤ 15	9–15	68.5–73.5

Product information

- WU = Wet cake of unexpanded Expancel® microspheres
- Use the product within two years after production date, if unopened.
- Not all grades available in all locations. Check local sales office for availability.

References

- 1) **Thermomechanical Analysis:** performed on a thermomechanical analyzer, measuring dimensional changes as a function of temperature.
More information: "Thermomechanical analysis 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) **Solid content:** A weighed amount of Expancel® WU microspheres is dried at 60°C for 90 minutes. The weight of the dried sample is used to calculate the solid content.

More information

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

nouryon.com/products/expancel-microspheres



or contact us at:

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