



## Product Specification Expancel DU

Expancel	Thermomechanical Analysis <sup>(2)</sup>			Particle Size D(0.5) µm <sup>(1)</sup>	Solvent Resistance <sup>(3)</sup>
	Tmax, °C	Tstart, °C	Density kg/m <sup>3</sup>		
031 DU 40	120–135	80–95	≤ 12	10–16	3
053 DU 40	138–146	96–103	≤ 20	10–16	3
551 DU 40	141–149	94–99	≤ 17	9–15	3
461 DU 20	143–151	100–106	≤ 30	6–9	4
461 DU 40	144–152	98–104	≤ 20	9–15	4
051 DU 40	144–153	106–111	≤ 25	9–15	4
043 DU 80	147–167	95–115	≤ 10	16–24	5
920 DU 20	155–175	120–145	≤ 25	5–9	5
920 DU 40	168–178	123–133	≤ 17	10–16	5
909 DU 80	175–190	120–130	≤ 10	18–24	5
920 DU 80	180–195	123–133	≤ 14	18–24	5
950 DU 80	188–200	138–148	≤ 12	18–24	5
093 DU 120	189–204	120–130	≤ 6.5	28–38	5
951 DU 120	190–205	133–143	≤ 9	28–38	5
930 DU 120	192–207	122–132	≤ 6.5	28–38	5
920 DU 120	194–206	122–132	≤ 14	28–38	5
<b>New product</b>					
980 DU 100	215–235	170–185	≤ 14	20–30	5

- Expancel DU = Dry Unexpanded Expancel Microspheres
- Delivered in fibre drums, net weight 50 kg or in big-bags 500 kg
- Use the product within three years after production date, if unopened.
- Not all grades available in all locations. Check local sales office for availability.

#### More information:

- 1) "Particle size of Expancel MS"
- 2) "Thermomechanical analysis of Expancel MS"
- 3) "Chemical resistance of Expancel MS"

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

[nouryon.com/products/expancel-microspheres](https://nouryon.com/products/expancel-microspheres)

or contact us at:

E: [info.expancel@nouryon.com](mailto:info.expancel@nouryon.com)

*Expancel* 

Expancel® Microspheres is an engineered solution, used worldwide. You can find it in all your everyday essentials – your car, your shoes, the cork that protects your wine. It helps product developers worldwide expand their business, enabling them to reduce weight, cut costs, improve quality and create unique finishes. Expancel has dual functionality as a blowing agent and lightweight filler. The microspheres consist of a thermoplastic shell encapsulating a gas. Add heat and they expand dramatically, up to 60 times their original volume. The product is supported by unmatched technology know-how, ensuring smooth integration into any process.

Expancel is a registered trademark of Nouryon in a number of territories.

**Nouryon**

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