

Specification

Product Specification for Expancel microspheres

Issue 2014.12 (replaces 2014.03)



Expancel DU

Expancel	Particle Size $\mu\text{m}^{(1)}$ D(0.5)	Thermomechanical Analysis ⁽²⁾			Solvent Resistance ⁽³⁾
		Tstart, $^{\circ}\text{C}$	Tmax, $^{\circ}\text{C}$	Density kg/m^3	
551 DU 40	10–16	94–99	141–149	≤ 17	3
461 DU 20	6–9	100–106	137–145	≤ 30	4
461 DU 40	9–15	98–104	142–150	≤ 20	4
051 DU 40	9–15	108–113	142–151	≤ 25	4
031 DU 40	10–16	80–95	120–135	≤ 12	3
053 DU 40	10–16	96–103	138–146	≤ 20	3
093 DU 120	28–38	120–130	188–203	≤ 6.5	5
909 DU 80	18–24	120–130	175–190	≤ 10	5
920 DU 40	10–16	123–133	168–178	≤ 17	5
920 DU 80	18–24	123–133	180–195	≤ 14	5
920 DU 120	28–38	122–132	194–206	≤ 14	5
930 DU 120	28–38	122–132	191–204	$\leq 6,5$	5
950 DU 80	18–24	138–148	188–200	≤ 12	5
951 DU 120	28–38	133–143	190–205	≤ 9	5
980 DU 120	25–40	158–173	215–235	≤ 14	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.

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

New product

920 DU 20	5–9	120–145	155–175	≤ 25	5
-----------	-----	---------	---------	-----------	---



For more information on our microspheres you can contact us at:

Email: info.expancel@akzonobel.com

Akzo Nobel Pulp and
Performance Chemicals AB
Expancel
Box 13000
SE-850 13 Sundsvall
Sweden
Phone: +46-60 13 40 00
Fax: +46-60 56 95 18



www.akzonobel.com
www.expancel.com

AkzoNobel is a leading global paints and coatings company and a major producer of specialty chemicals. We supply industries and consumers worldwide with innovative products and are passionate about developing sustainable answers for our customers. Our portfolio includes well-known brands such as Dulux, Sikkens, International and Eka. Headquartered in Amsterdam, the Netherlands, we are consistently ranked as one of the leaders in the area of sustainability. With operations in more than 80 countries, our 50,000 people around the world are committed to delivering leading products and technologies to meet the growing demands of our fast-changing world.

© 2014 Akzo Nobel NV. All rights reserved.

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