

## EPERAN™-PP Product Range

**Black EPERAN™-PP Grades:** For details, please check the concerned Technical datasheets

Grade (1)	Bulk density (g/L)	Bags (kg)	Silo (2) (approx. kg)	Particle size (mm) (3)	Moulded density range	
					Impregnation (g/L)	Compression (g/L) (4)
<b>VB45</b>	17,0 ± 1,5	25	1575	4,7 ± 1,0	22	30 ~ 45
<b>MB35</b>	21,0 ± 1,5	30	1950	5,0 ± 1,1	25	32 ~ 40
<b>MB30</b>	26,5 ± 2,0	37	2450	4,5 ± 1,0	30	38 ~ 50
<b>VB30</b>	25,0 ± 2,0	37	2300	3,8 ± 0,7	30	36 ~ 48
<b>VB24</b>	32,0 ± 2,5	45	2950	3,6 ± 0,7	38	45 ~ 55
<b>VB20</b>	38,0 ± 2,5	55	3550	3,4 ± 0,7	45	55 ~ 70
<b>VX15</b>	50,0 ± 4,0	150	4600	3,1 ± 0,7	60	70 ~ 90
<b>MB13</b>	58,0 ± 4,0	175	5200	3,4 ± 0,7	65	75 ~ 90
<b>MB12</b>	66,0 ± 6,0	195/210	5800	3,2 ± 0,6	75	85 ~ 100
<b>MB11</b>	74,0 ± 8,0	210/235	6500	3,1 ± 0,6	85	95 ~ 110
<b>LB9</b>	84,0 ± 8,0	235/260	NA	3,3 ± 0,6	100	115 ~ 140
<b>LB8</b>	94,0 ± 9,0	260	NA	3,2 ± 0,6	115	120 ~ 145
<b>LB7</b>	106,0 ± 10,0	260/315	NA	3,1 ± 0,6	125	135 ~ 160
<b>LB6</b>	125,0 ± 12,0	315/350	NA	2,9 ± 0,6	150	180 ~ 210
<b>LB5</b>	155,0 ± 20,0	425	NA	2,7 ± 0,6	190	220 ~ 260
<b>LB3</b>	200,0 ± 30,0	500	NA	2,5 ± 0,3	240	280 ~ 330

(1) The numbers in the gradename are the expansion ratios.

(2) For Mega-Trailer volume (± 100 M³)

(3) Optical measurement (range covers 95 % of all beads)

(4) Values are to be understood as low ~ high moulded density.


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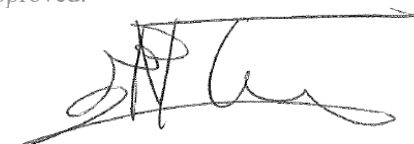
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Grade (1)	Bulk density (g/L)	Bags (kg)	Silo (2) (approx. kg)	Particle size (mm) (3)	Moulded density range	
					Impregnation (g/L)	Compression (g/L) (4)
<b>Grades with 25% Recycled End-of-life Material Content</b>						
<b>MR35</b>	21,0 ± 1,5	30	1950	5,0 ± 1,1	25	32 ~ 40
<b>VR24</b>	32,0 ± 2,5	45	2950	3,6 ± 0,7	38	45 ~ 55
<b>VR20</b>	38,0 ± 2,5	55	3550	3,4 ± 0,7	45	55 ~ 70
<b>Grades for Secondary Expansion</b>						
<b>VX15</b>	50,0 ± 4,0	150	4600	3,1 ± 0,7	NA	NA
<b>VX11</b>	74,0 ± 8,0	210/235	6500	2,7 ± 0,7	NA	NA
<b>Grades with 25% Recycled End-of-life Material Content for Secondary Expansion</b>						
<b>VR11</b>	74,0 ± 8,0	210/235	6500	2,7 ± 0,7	NA	NA

- (1) The numbers in the gradename are the expansion ratios.  
 (2) For Mega-Trailer volume (± 100 M<sup>3</sup>)  
 (3) Optical measurement (range covers 95 % of all beads)  
 (4) Values are to be understood as low ~ high moulded density.


**SUPPLIER**

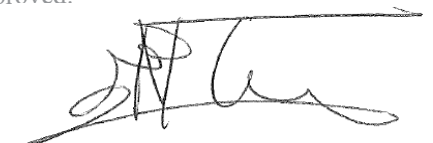
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**White EPERAN™-PP Grades:** For details, please check the concerned Technical datasheets

Grade (1)	Bulk density (g/L)	Bags (kg)	Silo (2) (approx. kg)	Particle size (mm) (3)	Moulded density range	
					Impregnation (g/L)	Compression (g/L) (4)
<b>M45</b>	17,0 ± 1,5	25	1525	5,4 ± 1,2	20	26 ~ 30
<b>M35</b>	21,0 ± 1,5	30	1950	5,0 ± 1,1	25	32 ~ 40
<b>M30</b>	26,5 ± 2,0	37	2450	4,5 ± 1,0	30	38 ~ 50
<b>V23</b>	33,0 ± 2,5	45	3050	3,5 ± 0,7	40	50 ~ 60
<b>M20</b>	38,0 ± 2,5	55	3550	3,9 ± 0,8	45	55 ~ 75
<b>M15</b>	50,0 ± 4,0	65	4600	3,5 ± 0,7	60	70 ~ 90
<b>V12</b>	66,0 ± 9,0	195	NA	2,8 ± 0,7	75	85 ~ 100

**Coloured EPERAN™-PP Grades:** For details, please check the concerned Technical datasheets

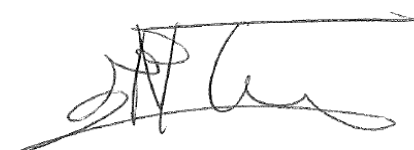
Grade (1)	Bulk density (g/L)	Bags (kg)	Silo (2) (approx. kg)	Particle size (mm) (3)	Moulded density range	
					Impregnation (g/L)	Compression (g/L) (4)
<b>MN30 (blue)</b>	26,5 ± 2,0	37	NA	4,5 ± 1,0	30	38 ~ 50
<b>MN20 (blue)</b>	38,0 ± 2,5	55	NA	3,9 ± 0,8	45	55 ~ 70
<b>MM20 (grey)</b>	38,0 ± 2,5	55	NA	3,9 ± 0,8	45	55 ~ 70
<b>MO20 (terracotta)</b>	38,0 ± 2,5	55	NA	3,9 ± 0,8	45	55 ~ 70

(1) The numbers in the gradename are the expansion ratios.

(2) For Mega-Trailer volume (± 100 M³)

(3) Optical measurement (range covers 95 % of all beads)

(4) Values are to be understood as low ~ high moulded density.



**EPERAN™-PP Grades with specific properties:** For details, please check the concerned Technical datasheets

Grade (1)	Bulk density (g/L)	Bags (kg)	Silo (2) (approx.kg)	Particle size (mm) (3)	Moulded density range	
					Impregnation (g/L)	Compression (g/L) (4)
<b>Grades with Dissipative Properties (black)</b>						
<b>LD35</b>	21,0 ± 1,5	30	1950	5,5 ± 1,0	25	32 ~ 40
<b>LD20</b>	38,0 ± 2,5	55	3550	4,6 ± 1,0	45	55 ~ 70
<b>LD15</b>	50,0 ± 4,0	65	NA	4,3 ± 1,0	60	70 ~ 90
<b>MD22</b>	35,0 ± 2,5	50	NA	4,0 ± 0,8	40	50 ~ 65
<b>Grades with Flame Retardant Properties (grey)</b>						
<b>MH35</b>	21,0 ± 1,5	30	NA	5,0 ± 1,1	25	32 ~ 40
<b>MH24</b>	36,0 ± 2,5	50	NA	4,2 ± 0,9	42	52 ~ 65
<b>Grades with Low-Squeak Properties (black)</b>						
<b>VS20</b>	38,0 ± 2,5	55	NA	3,4 ± 0,7	45	55 ~ 70
<b>VS11</b>	74,0 ± 8,0	210/235	NA	2,7 ± 0,7	85	95 ~ 110

(1) The numbers in the gradename are the expansion ratios.

(2) For Mega-Trailer volume (± 100 M<sup>3</sup>)

(3) Optical measurement (range covers 95 % of all beads)

(4) Values are to be understood as low ~ high moulded density.

### Disclaimer

All data in this document are for general information purposes only. They are based upon tests performed to our best knowledge and experience, using typical EPP moulding equipment under Kaneka's standard conditions. As many properties will depend largely on part shape and size as well as on moulding parameters, these data can only be considered as indicative. Any data herein may change without prior notice. While we endeavor to keep the information up to date and correct according to the state of the art, we make no representations or warranties of any kind, express or implied, about the completeness, accuracy, reliability or suitability with respect to these data. Any reliance you place on this information is therefore strictly at your own risk. The user itself is responsible for testing the products in order to find out and to determine whether these are suitable for the application as well as to observe any industrial property rights and existing laws and regulations. In no event will we be liable for any loss or damage (including, without limitation, indirect or consequential loss or damage, or any loss or damage whatsoever arising from loss of profits) arising out of, or in connection with, the use of this information and/or the use, handling, processing or storage of this product.

