

# OVERVIEW AVAILABLE GRADES EPERAN™-PP

## Product Range

### Standard Grades EPERAN™-PP:

#### Black Grades

Grade (1)	Bulk density (g/L)	Bags (kg)	Silo (2) (approx. kg )	Particle size (mm) (3)	Moulded density range	
					Impregnation (g/L)	Compression by air (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>VB15</b>	50,0 ± 4,0	150	4600	3,1 ± 0,7	60	70 ~ 90
						<b>Compression by crack (g/L) (4)</b>
<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.


#### SUPPLIER

KANEKA BELGIUM NV  
Nijverheidsstraat 16, B - 2260 Westerlo, BELGIUM  
[www.kaneka.be](http://www.kaneka.be)

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The Dreamology Company  
—Make your dreams come true—

## White Grades

Grade (1)	Bulk density (g/L)	Bags (kg)	Silo (2) (approx. kg)	Particle size (mm) (3)	Moulded density range	
					Impregnation (g/L)	Compression by air (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 (5)

(5) Compression by cracking

## Non-Standard Grades EPERAN™-PP:

For details, please check the concerned Technical Information

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

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

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


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## Non-Standard Grades EPERAN™-PP:

For details, please check the concerned Technical Information

Grade <sup>(1)</sup>	Bulk density (g/L)	Bags (kg)	Silo <sup>(2)</sup> (approx.kg)	Particle size (mm) <sup>(3)</sup>	Moulded density range	
					Impregnation (g/L)	Compression by air (g/L) <sup>(4)</sup>
Dissipative Grades (black)						
LD35	21,0 ± 1,5	30	1950	5,5 ± 1,0	25	32 ~ 40
LD20	38,0 ± 2,5	55	3550	4,6 ± 1,0	45	55 ~ 70
LD15	50,0 ± 4,0	65	NA	4,3 ± 1,0	60	70 ~ 90
Low-Squeak EPP (black)						
VS20	38,0 ± 2,5	55	NA	3,4 ± 0,7	45	55 ~ 70
VS11	74,0 ± 8,0	210/235	NA	2,7 ± 0,7	85	95 ~ 110
Grades for Secondary Expansion (black)						
VX15	50,0 ± 4,0	150	4600	3,1 ± 0,7	N/A	N/A
VX11	74,0 ± 8,0	210/235	6500	2,7 ± 0,7	N/A	N/A
Flame Retardant (grey)						
MH24	36,0 ± 2,5	50	NA	4,2 ± 0,9	42	52 ~ 65
MH35	21,0 ± 1,5	30	NA	5,0 ± 1,1	25	32 ~ 40

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

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(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.

