

The Dreamology Company
—Make your dreams come true—

OVERVIEW AVAILABLE GRADES

EPERAN™-PP Product Range

Black EPERAN™-PP Grades ⁽¹⁾:

Grade ⁽²⁾	Bulk density (g/L)	Bags (kg)	Silo ⁽³⁾ (approx. kg)	Particle size (mm) ⁽⁴⁾	Moulded density range	
					Impregnation (g/L)	Compression (g/L)
VB45	17,0 ± 1,5	25	1575	4,7 ± 1,0	22	30 ~ 45
MB35	21,0 ± 1,5	30	1950	5,0 ± 1,1	25	32 ~ 40
MB30	26,5 ± 2,0	37	2450	4,5 ± 1,0	30	38 ~ 50
VB30	25,0 ± 2,0	37	2300	3,8 ± 0,7	30	36 ~ 48
VB24	32,0 ± 2,5	45	2950	3,6 ± 0,7	38	45 ~ 55
VB20	38,0 ± 2,5	55	3550	3,4 ± 0,7	45	55 ~ 70
VX15	50,0 ± 4,0	150	4600	3,1 ± 0,7	60	70 ~ 90
MB13	58,0 ± 4,0	175	5200	3,4 ± 0,7	65	75 ~ 90
MB12	66,0 ± 6,0	195/210	5800	3,2 ± 0,6	75	85 ~ 100
MB11	74,0 ± 8,0	210/235	6500	3,1 ± 0,6	85	95 ~ 110
VX11	74,0 ± 8,0	210/235	6500	2,7 ± 0,7	85	95 ~ 110
LB9	84,0 ± 8,0	235/260	N/A	3,3 ± 0,6	100	115 ~ 140
LB8	94,0 ± 9,0	260	N/A	3,2 ± 0,6	115	120 ~ 145
LB7	106,0 ± 10,0	260/315	N/A	3,1 ± 0,6	125	135 ~ 160
LB6	125,0 ± 12,0	315/350	N/A	2,9 ± 0,6	150	180 ~ 210
LB5	155,0 ± 20,0	425	N/A	2,7 ± 0,6	190	220 ~ 260
LB3	200,0 ± 30,0	500	N/A	2,5 ± 0,3	240	280 ~ 330
Grades for Secondary Expansion						
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

(1) For details, please check the concerned Technical database

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

(3) For Mega-Trailer volume (± 100 m³)

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

SUPPLIER

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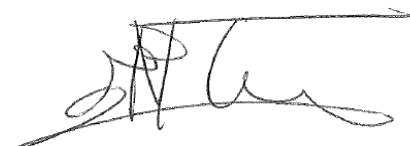
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Edition 12

Available Grades

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Approved:



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White EPERAN™-PP Grades (1):

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

Coloured EPERAN™-PP Grades (1):

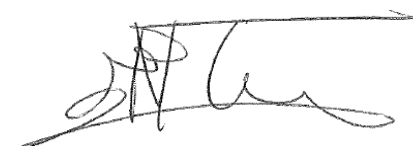
Grade (2)	Bulk density (g/L)	Bags (kg)	Silo (3) (approx. kg)	Particle size (mm) (4)	Moulded density range	
					Impregnation (g/L)	Compression (g/L)
MN30 (blue)	26,5 ± 2,0	37	N/A	4,5 ± 1,0	30	38 ~ 50
MN20 (blue)	38,0 ± 2,5	55	N/A	3,9 ± 0,8	45	55 ~ 70
MM20 (grey)	38,0 ± 2,5	55	N/A	3,9 ± 0,8	45	55 ~ 70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

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(3) For Mega-Trailer volume (± 100 m³)

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



EPERAN™-PP Grades with specific properties ⁽¹⁾:

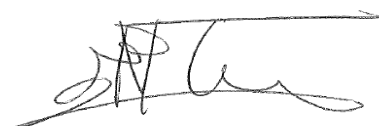
Grade (2)	Bulk density (g/L)	Bags (kg)	Silo (3) (approx.kg)	Particle size (mm) (4)	Moulded density range	
					Impregnation (g/L)	Compression (g/L)
Grades with Dissipative/Conductive Properties (black)						
LD35	21,0 ± 1,5	30	1950	5,5 ± 1,0	25	32 ~ 40
MD22	35,0 ± 2,5	50	N/A	4,0 ± 0,8	40	50 ~ 65
LD20	38,0 ± 2,5	55	3550	4,6 ± 1,0	45	55 ~ 70
LD15	50,0 ± 4,0	65	N/A	4,3 ± 1,0	60	70 ~ 90
MC15	50,0 ± 4,0	65	N/A	4,3 ± 1,0	60	70 ~ 90
Grade with Radar Wave Reflection & Attenuation Properties (black)						
MW11	74,0 ± 8,0	210	N/A	3,1 ± 0,6	115	130 ~ 150
Grades with Flame Retardant Properties (grey)						
MH35	21,0 ± 1,5	30	N/A	5,0 ± 1,1	25	32 ~ 40
MH24	36,0 ± 2,5	50	N/A	4,2 ± 0,9	42	52 ~ 65

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

(3) For Mega-Trailer volume (± 100 m³)

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



Black EPERAN™-PP Grades with Post-Consumer Recycled (PCR) Content ⁽¹⁾:

Grade ⁽²⁾	Bulk density (g/L)	Bags (kg)	Silo ⁽³⁾ (approx. kg)	Particle size (mm) ⁽⁴⁾	Moulded density range	
					Impregnation (g/L)	Compression (g/L)
Grades with 25% PCR Content						
MB35R25	21,0 ± 1,5	30	1950	5,0 ± 1,1	25	32 ~ 40
VB24R25	32,0 ± 2,5	45	2950	3,6 ± 0,7	38	45 ~ 55
VB20R25	38,0 ± 2,5	55	3550	3,4 ± 0,7	45	55 ~ 70
Grades with 30% PCR Content						
VX15R30	50,0 ± 4,0	65/150	4600	3,2 ± 0,7	60	70 ~ 90
VX11R30	74,0 ± 8,0	210/235	6500	2,7 ± 0,7	85	95 ~ 110
LB7R30	106,0 ± 10,0	260/315	N/A	3,1 ± 0,6	125	135 ~ 160
LB6R30	125,0 ± 12,0	315/350	N/A	2,9 ± 0,6	150	180 ~ 210
Grades with 30% PCR Content for Secondary Expansion						
VX15R30	50,0 ± 4,0	65/150	4600	3,2 ± 0,7	N/A	N/A
VX11R30	74,0 ± 8,0	210/235	6500	2,7 ± 0,7	N/A	N/A
Grades with 30% PCR Content with Dissipative Properties						
LD35R30	21,0 ± 1,5	30	1950	5,5 ± 1,0	25	32 ~ 40
LD20R30	38,0 ± 2,5	55	3550	4,6 ± 1,0	45	55 ~ 70
LD15R30	50,0 ± 4,0	65	N/A	4,3 ± 1,0	60	70 ~ 90

(1) For details, please check the concerned Technical database

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

(3) For Mega-Trailer volume (± 100 m³)

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

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EPERAN™ Product Range

Black EPERAN™ Grades ⁽¹⁾:

Grade ⁽²⁾	Bulk density (g/L)	Bags (kg)	Silo ⁽³⁾ (approx.kg)	Particle size (mm) ⁽⁴⁾	Cracking (Atmospheric filling) (g/L)
HB22	34,5 ± 3,5	50/52/55	NA	5,7 ± 1,3	42
HB38	19,5 ± 2,0	30/32	NA	7,1 ± 1,5	25

White EPERAN™ Grades ⁽¹⁾:

Grade ⁽²⁾	Bulk density (g/L)	Bags (kg)	Silo ⁽³⁾ (approx.kg)	Particle size (mm) ⁽⁴⁾	Cracking (Atmospheric filling) (g/L)
H22	34,5 ± 3,5	50/55	NA	5,7 ± 1,3	42
H38	19,5 ± 2,0	30/32	NA	6,3 ± 1,1	25

Green Planet Expanded Beads Product Range ⁽¹⁾

Grade	Bulk density (g/L)	Bags (kg)	Silo ⁽³⁾ (approx.kg)	Particle size (mm) ⁽⁴⁾	Cracking (Atmospheric filling) (g/L)
L40N	45,0 ± 5,0	60	NA	4,0 ± 1,0	57 ~ 70

- (1) For details, please check the concerned Technical database
 (2) The numbers in the gradename are the expansion ratios.
 (3) For Mega-Trailer volume ($\pm 100 \text{ m}^3$)
 (4) Optical measurement (range covers 95 % of all beads)

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.

