

ENER**Ener Kimya Sanayi ve
Tekstil Ürünleri Tic. Ltd. Şti.**

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KING PEARL

TYPES	E-SERIES	C-SERIES	B-SERIES	F-SERIES	N-SERIES
Characteristics	High Expansion	High Strength	Fast Cycle	Flame Retardant	High Impact
Blowing Agent	6 ~ 6.5 %	5 ~ 5.5 %	5 ~ 5.5 %	6 ~ 6.5 %	5.5 ~ 6.0 %
Residual Monomer	< 0.3 %	< 0.3 %	< 0.3 %	< 0.3 %	< 0.15 %
Applications	Light weight	Strong box	Energy saving	Self - extinguishing	High cushion
Moisture Content	< 0.5 %	< 0.5 %	< 0.5 %	< 0.5 %	< 0.5 %
CFC Content	nil	nil	nil	nil	nil



HIGH EXPANSION: E grades - High expansion material for material saving applications.

E-MS	1.0 - 1.6 mm	Heavy duty block sheet and lightweight molding	14 ~ 16 g/l
E-SA	0.8 - 1.2 mm	Regular package and box molding	16 ~ 18 g/l
E-SB	0.6 - 0.9 mm	Precision and thin wall package moldings	18 ~ 20 g/l
E-S	0.4 - 0.7 mm	Precision and high density articles	20 ~ 22 g/l



SELF EXTINGUISHING: F grades - for panel applications, housing, constructions. Oxygen index is above 30. Applying for different certificates including UL, German, and so on.

F-MS	1.0 - 1.6 mm	Heavy duty block sheet and lightweight molding	16 ~ 18 g/l
F-SA	0.8 - 1.3 mm	Middle density applications (available from China)	14 ~ 20 g/l
F-SB	0.6 - 0.9 mm	High density application	20 ~ 25 g/l
F-S	0.4 - 0.7 mm	Contour cutting	25 ~ 33 g/l



FAST CYCLING: B grades - energy saving material for vacuum molding machines. May be used in food containers.

B-MS	1.0 - 1.6 mm	Low density, high cycle molding	14 ~ 16 g/l
B-SA	0.8 - 1.2 mm	Monitor and large packaging molding	16 ~ 18 g/l
B-SB	0.6 - 0.9 mm	Precision and thin wall package molding	18 ~ 20 g/l
B-S	0.4 - 0.7 mm	Precision and high density articles	20 ~ 22 g/l



HIGH STRENGTH: C grades- for strength requirement applications such as fish boxes, produce boxes, flower pot, floor pad, and so on. May be used in food containers.

C-MS	1.0 - 1.6 mm	Large box and floor applications	15 ~ 17 g/l
C-SA	0.8 - 1.2 mm	Large box and low density applications	17 ~ 19 g/l
C-SB	0.6 - 0.9 mm	Middle size boxes and high density floor applications	19 ~ 24 g/l
C-S	0.4 - 0.7 mm	Precision and thin wall such as A/C parts, boxes.	24 ~ 33 g/l

