INTRODUCTION

Kay-Flex is an extremely flexible, 'White' foam block manufactured by **Kay-Metzeler Ltd**, one of the country's leading suppliers of Expanded Polystyrene Products.

Kay-Flex can be used in a wide range of packaging applications, owing to it's excellent shock absorbing capabilities. Kay-Flex could be suitable for other specialised applications, which should be specified by individual customer demands.

DIMENSIONS

Kay-Flex is supplied in block form, size 2400 x 1200 x 610mm. Additional sizes to meet customers requirements are available upon request – please enquire for additional costs and lead times.

COMPATIBILITY

Kay-Flex can be used in all packaging applications.
Kay-Flex is non-toxic and non-irritant therefore no specific precautions are necessary with respect to the handling of supplied products.

SITE HANDLING

In general **Kay-Flex** is supplied un-wrapped in block form; however cut boards are delivered wrapped in polythene. The boards should be stored in the original wrapping, undercover and protected from direct sunlight.
Kay-Flex should be kept out of contact from solvents and materials containing volatile organic compounds such as tar, pitch, diesel or timber recently treated with creosote.
Do not expose to naked flame or other ignition sources during storage or installation.

BESPOKE PRODUCTS

Kay-Metzeler have the technical capabilities to develop Kay-Flex and is happy to work towards customers particular requirement.

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KAY-METZELER (THERMAL INSULATION DIVISION) LTD. Part of the Vita Cellular Foams Group
A member of the Vita Group of Companies

KAY-METZELER

KAY-FLEX S.P.25

- High performance cushioning providing better protection and using less material than many other packaging solutions
- Very resilient-quick recovery from multiple compressions and impacts
- Reduces packaging costs-less foam used resulting in smaller packs
- Can be supplied in block form to save valuable laminating time

the next generation of co-polymers for the packaging industry

KAY-FLEX S.P. 25

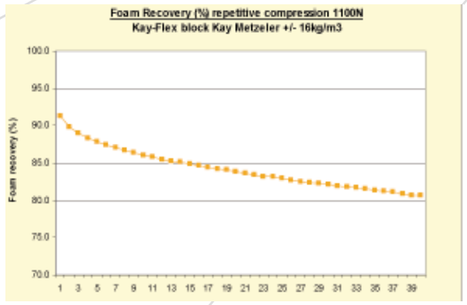
KAY-FLEX S.P. 25 is a hybrid lightweight, and extremely flexible foam, designed to absorb the damage normally associated with goods in transit.

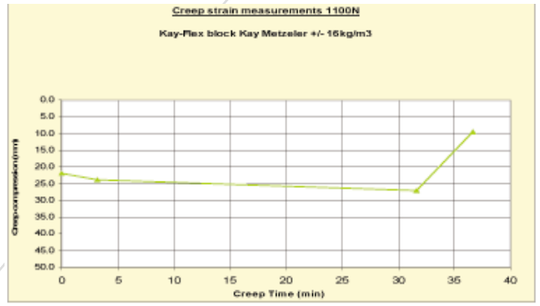
KAY-FLEX S.P. 25 is an extremely resilient closed cell non-cross linked foam, which is non-abrasive, non-corrosive and moisture resistant. It is ideal for use in returnable handling systems.

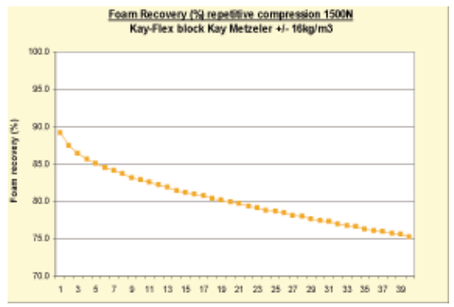
KAY-FLEX S.P. 25 offers resistance to TEARING, PUNCTURING, CRACKING AND FLAKING.

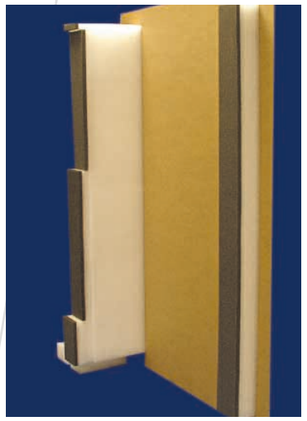
KAY-FLEX S.P. 25 is ideally suited as a component material in products requiring a shock absorbing, vibration dampening, insulation material for cushioning components in packaging applications

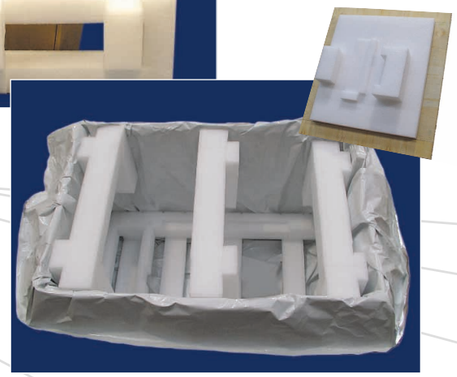
- It is strong and offers long term durability
- 100% Recyclable
- Low compressive creep makes it ideal for long term stacking
- CFC and HCFC Free
- Cushioning capabilities absorb shock without decreasing its protective efficiency
- Can be cut with hot wires, band knives and CNC profilers
- Suitable for heat welding and adhesive fixings
- Manufactured and certified to BS EN ISO 9001:2000.











KAY-FLEX PERFORMANCE ATTRIBUTES

	KAY FLEX	EPP	EPE	EPS
Multiple Drops	1	1	1	3
Compressive strength	2	3	3	1
Tear strength	1	1	1	3
Puncture toughness	1	1	1	3
Dimensional stability	1	1	3	1
Solvent resistance	1	1	1	3
Rub abrasion	1	2	1	3

KAY-FLEX PROCESSING ATTRIBUTES

	KAY FLEX	EPP	EPE	EPS
Tooling cost	1	3	3	1
Processing cost	1	3	3	1
Global capability	1	2	2	1
Recyclability	1	2	2	1

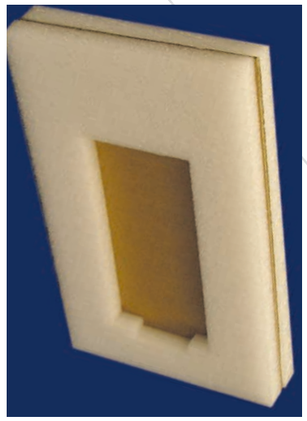
KEY
1 = BEST
2 = BETTER
3 = POOR

TECHNICAL DATA

Compressive Strength @25% Deformation
Density 16g/l = 68 kPa

Tensile Strength:
Density 16g/l = 137 kPa

Tear Strength:
Density 16g/l = 0.49 kg/cm



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