

ESA PROTECTION® SET ELASFOMERS

ESA PROTECTION® SET ELASFOMERS is a new type of impact-resistant material compounded with a polymeric material as the main body and various other additives. Its unique linear structure gives it high toughness, breaking strength and tear resistance during stretching. Its excellent impact resistance and cushioning properties allow ESA SET ELASFOMERS to be used in a wider variety of designs for thinner, more breathable impact protection.

ESA PROTECTION® SET ELASFOMERS products can be recycled and recycling, in line with the trend of environmental sustainability and circular economy. With excellent impact protection and compression deformation resistance, it maintains more than 95% of its initial performance during the product life cycle and is durable and non-deforming. Meanwhile, it has excellent environmental adaptability, and still maintains its performance and flexibility in low temperature -20 °C environment.

Performances	Method Reference*	ESA Cold Soft Foams
Density (g/cm ³)	ASTM D792	1.2
Hardness (Shore A)	ASTM D2240	60A±2A
Tensile Strength at Break (Kgf/mm)	ASTM D638	0.71
Tensile Elongation at Break (%)	ASTM D638	442
Tear Strength (N/mm)	DIN ISO 34-1	>4.0
Shrinkage Rate(%)		2

- Impact resistance
- Friction resistance
- Tear resistance
- Thin, light, flexible, durable;
- Excellent ventilation and breath-ability in specific perforated areas, rounded edges ergonomically designed to provide good comfort

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*Values shown represent typical product characteristics

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