

Automotive Foam Solutions



The World's Leading Polyolefin Foam Manufacturer

SEKISUI

SEKISUI invented and commercialized physically cross-linked polyolefin foam in 1967. SEKISUI's unique physically crosslinking technology results in even, fine cell structure foams that offer superior physical properties.

Key Features of Softlon & Thermobreak;

- Lightweight and very durable
- Easy to fabricate
- Outstanding thermal properties
- Outstanding acoustic properties
- Wide operating temperature range
- Available in open cell grade for extra sound absorption & softness



Foam Air Ducts
Softlon NF



Undershield
Acoustic insulation
Softlon OPC

Water-Sealing Gaskets
Softlon ES & Softlon OPC-ES





Door Water Shield
Softlon IF-FR-ND



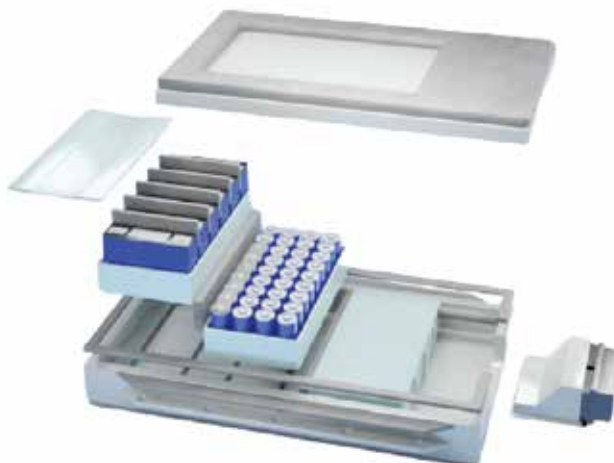
Head Rests
Top layer: PVC or Fabric
Backing Material: Softlon



Battery Charger Insulation
Thermobreak RT



- Soft Touch Interior Trim
Softlon SP, Softlon NF-FR-ND
- Translucent Interior Trim
Softlon SP-VSW



Lithium-ion battery
Thermal Insulation and Spacer: Softlon FR-ND
Acoustic Insulation: Softlon OPC

Softlon Grade Selection Table for Automotive Applications

Grade		S	FR-ND	IF	IF-FR-ND	NF-E	NF-E-FRND	OPC	OPC-FRND	SP/QVTW
Descriptions		Standard Product	Standard Flame Retardant Product	Improved Vacuum Formability	Improved Vacuum Formability & Flame Retardant	Improved Heat Resistance ~115°C	Improved Heat Resistance ~115°C & Flame Retardant	Improved Softness & Improved acoustic Performance	Improved Softness, Improved acoustic Performance & Flame Retardant	Improved Heat Resistance ~140°C & Translucent Grade Available
Applications	EV Battery	-	++	-	++	-	++	-	+	0
	Headrest	0	++	0	+	0	+	0	0	-
	Acoustic Insulation	-	-	-	-	-	-	+	++	-
	Foam Air Duct	-	-	0	0	++	++	-	-	+
	Translucent Interior	-	-	0	0	0	0	-	-	++
	Armrest	0	0	+	++	+	+	0	0	++
	Door Panel	0	0	+	++	+	+	0	0	++
	Door Panel Upper	-	-	-	-	-	-	-	-	++
	Dashboard	-	-	-	-	-	-	-	-	++

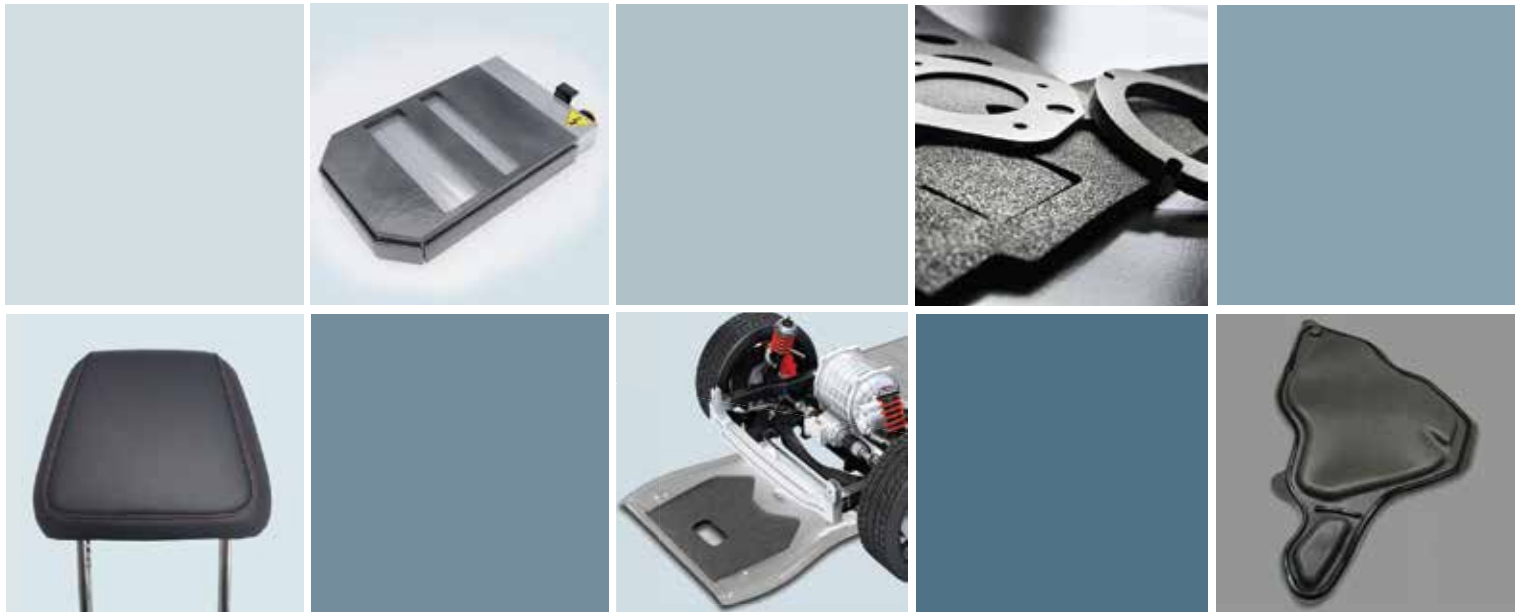
++ : Best Suitable Softlon Products - Recommended

+ : Softlon Products can be Recommended

0 : Softlon Products Testing Recommended

- : Softlon Products Not Recommend

Notes: Recommendations as to methods of application and use of Softlon foam products are based on our experience and given in good faith. We have no control over application of Softlon foam products and no legal responsibility is accepted for such recommendations. Qualification, verification and validation of the end products are responsibility of fabricator/convertor and end customer.



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FOAM INTERNATIONAL

Global Foam Solutions

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