

**NEW**

# EXTREME LIGHTWEIGHT FOAMED LEXAN™ PC SHEET SOLUTION

**WITH LEXAN™ LIGHT SHEET**

SABIC, an innovator in the plastics industry, is one of the world's leading suppliers of polycarbonate, and other advanced thermoplastic LEXAN™ sheet solutions. Our diverse product portfolio reflects our customer-driven focus and our commitment to developing innovative and high quality solutions that are designed to last.

Lightweight solutions are essential to our endeavor for more efficient use of materials, energy savings and, at the same time, enhanced properties. We are committed to ongoing product and operational excellence whilst ensuring optimal performance of foams in their various applications.

Today we are launching a new high-performance LEXAN™ Foamed sheet material, which is one of the lightest thermoplastic sheet option available present-day, regardless of base material that complies with flame, smoke and toxicity. With a specific gravity of 0.85 g/cm<sup>3</sup>, it offers up to 40% weight savings when replacing traditional polyvinyl chloride and acrylic blend (PVC/PMMA) -based sheet products.



## POTENTIAL BENEFITS



### UNPRECEDENTED LIGHTWEIGHTING

Innovative lightweight closed cell foam encapsulated by solid outer layers.



### THERMOFORMABLE

Can be thermoformed into complex 3D shape parts with very thin walls.



### MECHANICAL & INSULATION

Good mechanical and high insulation properties.



### HIGH RIGIDITY

High impact strength.



### COMPLIANCY

Compliant to major FST regulatory.



### MOISTURE RESISTANT

Due to the closed cell structure.



### AESTHETICS

Customized decorative solution.

#### Potential:

- Available with decorative film
- Excellent color capability
- High recycled content



### REUSABLE & RECYCLABLE

Fits with global trends for design for recyclability enabler.

## POTENTIAL INDUSTRIES

INDUSTRIES	POTENTIAL APPLICATIONS
<p><b>TRANSPORTATION</b></p> 	<ul style="list-style-type: none"> <li>• HELICOPTERS INTERIOR</li> <li>• AIRCRAFT INTERIOR PARTS</li> <li>• COMMERCIAL VEHICLES PARTS &amp; SPOILERS FOR               <ul style="list-style-type: none"> <li>- CABINS CRUISE SHIPS</li> <li>- LIGHT YACHTS</li> <li>- CARGO TRUCKS</li> </ul> </li> </ul> 
<p><b>PACKAGING &amp; LOGISTICS</b></p> 	<ul style="list-style-type: none"> <li>• STORAGE BOXES</li> <li>• CRATES</li> <li>• TROLLEYS</li> <li>• REUSABLE COURIER BOXES</li> <li>• REUSABLE PACKAGING</li> </ul> 
<p><b>MEDICAL</b></p> 	<ul style="list-style-type: none"> <li>• AIRDUCTS</li> <li>• SCANNERS</li> <li>• ANESTHESIA CARE STATIONS</li> <li>• PARTS FOR TROLLEYS</li> </ul> 
<p><b>TELECOM &amp; ELECTRICAL</b></p> 	<ul style="list-style-type: none"> <li>• INFRASTRUCTURE HOUSING</li> <li>• TRANSMITTER HOUSING</li> <li>• BATTERY PACKAGING</li> </ul> 
<p><b>MOBILITY</b></p> 	<ul style="list-style-type: none"> <li>• EV'S WEIGHT OPTIMIZATION</li> <li>• CARAVANS AND RV'S</li> <li>• TRAILERS</li> <li>• INFRASTRUCTURE</li> </ul> 

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