

COCKPIT

Minimizing excess weight in aircraft design is crucial for the aircraft industry. On average an aircraft will burn about 0.03kg of fuel per hour for each kilogram carried on board. Given the pressures on the industry to improve energy consumption and the rising cost of fuel, saving weight is essential. To address this issue, SABIC offers LEXAN™ F6000 sheet, which can be used to replace traditional polyvinyl chloride (PVC) or acrylic products on aircraft seating frames. By using this LEXAN sheet, an airline could reduce weight by approximately 23 percent, which is 53kg based on a plane with 190 seats.

The LEXAN F6000 sheet was selected by Pilatus Aircraft Ltd, a world-leading manufacturer of single-engine turboprop aircraft and aircraft training systems, to create its new state-of-the-art cockpit. In addition to its weight saving properties, the material provided superior processability compared to thermosets, colorability and dimensional stability.

For further information, please visit
www.sabic.com/sfs

