

# COLD-CHAIN PACKAGING & STORAGE SOLUTIONS FOR COVID-19 VACCINES

WITH LEXAN™ (PC) FILM & SHEET



While pharmaceutical companies are highly focused on vaccine development, they are also in need of cold-chain packaging and storage solutions to ensure that the vaccines are delivered and used without damage. Next to that cold-chain equipment, refrigerator manufacturers are looking for cladding / interior options to meet the challenging COVID-19 vaccine packaging and logistics demands. We have the right solution for you!

SABIC's LEXAN™ Film & Sheet solutions are currently being used successfully by leading vaccine packaging manufacturers and are ideal for this specific application need. Our solutions **comply with FDA/NSF regulations** and meet **USP-VI criteria**. COVID-19 vaccines require shipping at cold temperatures and extended storage in ultra-low temperature freezers. This requires packaging material that can **survive low temperatures of -70°C for up to 6 months** and maintain mechanical integrity. These materials are easily processed with typical forming and die-cutting equipment.



**SUPERIOR STIFFNESS**  
Cold bending and thermoforming flexibility



**COMPLIANT**  
USP Class VI compliant  
FDA/NSF certified



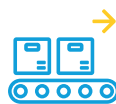
**EXCELLENT MECHANICAL STRENGTH**  
Brittleness temperature -135°C



**FOLDING ENDURANCE**  
Withstands up to 250 – 400 folds



**PRINTABLE**  
For customized design & aesthetics



**EASY DIE-CUTTING**  
Designed to provide added value performance through potentially low systems costs



AVAILABLE GRADES	DESCRIPTION	SOLUTION FOR
<b>LEXAN™ 8B45 FILM</b> 	Transparent film, Matte / Velvet texture  <b>Availability:</b> Width: 48" and 60" (1220 mm – 1520 mm) Gauges: 3 mil to 20 mil (0.075 mm to 0.500 mm)	COVID-19 packaging & wrapping
<b>LEXAN™ 8040 FILM</b> 	Clear film, Polish / Polish  <b>Availability:</b> Width: 48" and 60" (1220 mm – 1520 mm) Gauges: 7 mil to 30 mil (0.175 mm to 0.750 mm)	COVID-19 packaging & wrapping
<b>LEXAN™ 9444/9440 SHEET</b> 	Clear sheet, Polish / Polish  <b>Availability:</b> Multiple colors Width: 48" and 90" (1220 mm – 2280 mm) Gauges: 0.030" to 0.500" (0.8 mm to 12.7 mm)	Cold-chain equipment / refrigerators cladding and interiors needs

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