NEW LEXAN™ CXT Film from SABIC offers high thermal process stability and transparency for demanding flexible printed electronics substrates. A transparent high heat film, which gives you the ability and advantage to process under wider and more flexible conditions as it comes to process temperatures.

The new polycarbonate (PC) based technology combines superior optical clarity and high design flexibility with excellent thermal and dimensional stability at elevated process temperatures. The material was specially developed to provide a high-performance and cost-efficient solution for substrates in the rapidly growing printed electronics market as well as for other applications exposed to high processing and/or in-use temperatures.

**BENEFITS**
- Higher process temperature (Tg:196°C) – wider process conditions
- High optical quality
- Design flexibility
- Easy formability
- Dimensional stability at high temperatures

**POTENTIAL APPLICATIONS**
- Substrate for Flexible Printed Electronics
- Conductive coating for Touch Panel applications
- Trays which require an high temperature process
### OPTICAL QUALITY COMPARISON OVERVIEW

<table>
<thead>
<tr>
<th>Method</th>
<th>LEXAN™ CXT FILM</th>
<th>ULTEM™ FILM 1</th>
<th>ULTEM™ FILM 2</th>
<th>PI FILM</th>
<th>HAZE</th>
<th>T AT 550NM</th>
<th>T AT 400NM</th>
<th>YELLOWING INDEX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>50 µm</td>
<td>25 µm</td>
<td>118 µm</td>
<td>68 µm</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>Total Transmittance</td>
<td>89.5%</td>
<td>86.2%</td>
<td>82.1%</td>
<td>45.8%</td>
<td>BYK HAZE GUARD PLUS</td>
<td>89.5%</td>
<td>81.5%</td>
<td>58.9%</td>
</tr>
<tr>
<td>Haze</td>
<td>0.5%</td>
<td>9.6%</td>
<td>40.8%</td>
<td>3.2%</td>
<td>BYK HAZE GUARD PLUS</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>T AT 550NM</td>
<td>89.5%</td>
<td>81.5%</td>
<td>58.9%</td>
<td>45.9%</td>
<td>HITACHI U3310</td>
<td>87%</td>
<td>47.5%</td>
<td>0%</td>
</tr>
<tr>
<td>T AT 400NM</td>
<td>87%</td>
<td>47.5%</td>
<td>0%</td>
<td>0%</td>
<td>HITACHI U3310</td>
<td>8%</td>
<td>28%</td>
<td>141%</td>
</tr>
</tbody>
</table>

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