Resilience™ HC Healthcare Formulations
For Medical Device Housings

Resilience™ HC is a line of rigid vinyl materials created for medical device housing applications. It's formulated with increased chemical resistance, easy processing, high quality aesthetics and excellent durability.

Resilience HC has proven field performance for point-of-care durability in both stationary and handheld medical devices. Its USP Class VI approval and high process versatility make it an excellent material choice for healthcare device applications.

KEY CHARACTERISTICS
• Resists cracking, crazing, and discoloration from exposure to most disinfectants
• Provides excellent aesthetics and high durability
• USP class VI approval
• UL flame rating up to UL94 5VA
• UV resistance provides long-term color stability

MARKETS AND APPLICATIONS
Resilience HC is suitable for medical device housing applications requiring resistance to the wide range of disinfectants used in hospitals.
• Resists chemical stress failure in housings due to disinfectants exposure
• Resists impact and protects internal components in handheld devices
• Provides lasting color performance for devices exposed to UV light
## PROPERTY RETENTION OF POLYMERS AFTER EXPOSURE TO HOSPITAL DISINFECTANTS

### Tensile Stress at Break Charts*

* Property retention after 3 days of intermittent exposure to disinfectant.

Product choices often vary by region due to differences in regulatory and agency requirements, availability and other key factors. Please contact your nearest sales office for assistance in choosing the right solution for your locale.

### RESILIENCE HC SOLUTIONS

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>FEATURE</th>
<th>FLAME RATING</th>
<th>IMPACT (ft · lb/in)</th>
<th>USP CLASS VI</th>
<th>HDT1</th>
<th>SPECIFIC GRAVITY</th>
<th>TENSILE STRENGTH (psi)</th>
<th>FLEXURAL MODULUS (psi)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HC 8210</td>
<td>Medium Flow, Medium Impact</td>
<td>5VA @ 1.5mm V0 @ 0.75mm</td>
<td>12.0</td>
<td>✔</td>
<td>162°F 72.2°C</td>
<td>1.33</td>
<td>6000</td>
<td>340,000</td>
</tr>
<tr>
<td>HC 8220</td>
<td>High Flow, High Impact</td>
<td>N/A</td>
<td>21.0</td>
<td>✔</td>
<td>156°F 68.9°C</td>
<td>1.33</td>
<td>7000</td>
<td>400,000</td>
</tr>
<tr>
<td>HC 8230</td>
<td>Medium Flow, High Impact</td>
<td>5VA @ 2.0mm V0 @ 1.5mm</td>
<td>24.0</td>
<td>✔</td>
<td>157°F 69.4°C</td>
<td>1.33</td>
<td>6600</td>
<td>393,000</td>
</tr>
<tr>
<td>HC 4895</td>
<td>High Impact, Transparent</td>
<td>V0 @ 1.5mm</td>
<td>17.0</td>
<td>✔</td>
<td>160°F 71.1°C</td>
<td>1.30</td>
<td>6200</td>
<td>340,000</td>
</tr>
<tr>
<td>HC 8250H</td>
<td>High Heat Distortion Temp</td>
<td>5VA @ 1.6mm V0 @ 1.6mm</td>
<td>5.0</td>
<td>✔</td>
<td>172°F 77.8°C</td>
<td>1.26</td>
<td>6400</td>
<td>347,000</td>
</tr>
</tbody>
</table>

1 Unannealed at 66 psi
2 Annealed at 264 psi

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