3M™ Contrast Enhancement Film (CEF) Product Summary

Ink Step Coverage vs. 3M™ Optically Clear Adhesive (OCA) Thickness

- 3M CEF (CEF28, CEF30) enable thinner bondlines and superior ink step coverage
- Typical ink step heights:
  - Black border: 10-20µm
  - White/light colored border: up to 60µm
- Ink step coverage values should be used as a guide; actual results are application dependent

Enhance your touch sensor design.

PMMA/PC Compatibility

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<th>PMMA/PC</th>
<th>CEF05</th>
<th>CEF06</th>
<th>CEF19</th>
<th>CEF28</th>
<th>CEF29</th>
<th>CEF30</th>
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3M Value @ 10K Hz

- 4.39 - 5.00
- 2.89 - 3.27
- 4.00 - 4.38
- 4.00 - 4.38
- 9.00 - 19.00

Touch Sensor Compatibility (Low Acidity)

- ● = Better
- ○ = Good

High Ink Step Covering

- ○ = Better
- ● = Good

Mura Resistance

- ● = Better
- ○ = Good

Anti-achinging

- ● = Better
- ○ = Good

Storage Modulus (Pa, 20°C)

- 1.0 x 10^5
- 1.2 x 10^5
- 1.1 x 10^5
- 8.6 x 10^4
- 6.2 x 10^4
- 2.0 x 10^4
- 314 x 10^3
- 5 x 10^4

UV curable type

- ● = Better
- ○ = Good

LOCA 2190 8146-X, CEF29xx 821x, 826xNCEF28xx, CEF19xx, CEF30xx