

PORON® Urethane Foams

Tablet LCD Protection

Application Note

THE CHALLENGE



It is difficult to protect tablets from impact as they become thinner.

The trends toward larger and more expensive screens in thinner devices mean that it is now more important than ever to protect the display. The LCD gasket can be an important part of the system that protects the LCD from cracking in a tablet device. When created out of the right material, the LCD gasket can absorb and distribute impact energy, which prevents cracks in the display.

ROGERS MATERIAL SOLUTION

The following PORON® materials can be used as LCD gaskets in digital tablet devices:

- PORON ShockSeal™ Urethane Foam (4790-79)
- PORON 92 Formulation Urethane Foam (4790-92)

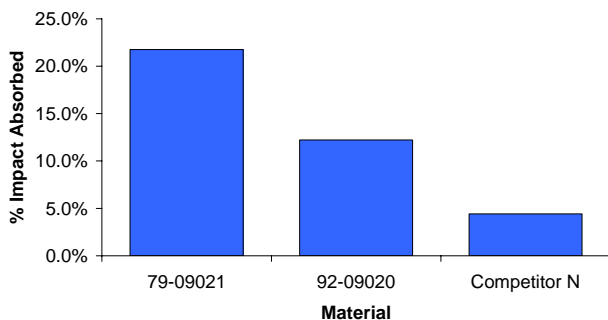
SOLUTION FEATURES AND BENEFITS

Two great materials designed for your impact needs: 79 for the most intense impacts and 92 for lower energy impacts.

As depicted in the graph to the left, both Rogers materials protect against impact even in their thinnest and lowest density form. Excellent compression set resistance means long-term performance.

These materials have superior spring force retention so they continue to protect against impact and dust even after many years of use.

**Relative Impact Absorption Comparison
(Higher is Better)**



The figure above shows how much shock is absorbed by PORON ShockSeal 79-09021, PORON 92-09020, and a competitive material during a typical impact. Even the thinnest version, ShockSeal material 79-09021, absorbs more than four times the impact of the competition.

Which Rogers foam is best? Go to the Rogers Impact Prediction tool, sign up & find out!

www.rogerscorp.com/impactprediction

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