Product Data Sheet

PORON® ShockPad Foam (0.10 & 0.15mm)

The trend toward thinner mobile devices drives the search for space-saving impact solutions. As a result of these compact designs, the display, the printed wiring board, and other electrical components are crowded into very thin spaces. While a variety of materials can fill tight gaps, none have exhibited the type of vital impact protection seen in PORON® ShockPad foams.

PROPERTY	TEST METHOD	VALUE	
PHYSICAL-Polyurethane Only			
Thickness, mm (mil)	PTP-0023	0.10 (4)	0.15 (6)
Tolerance, mm (mil)		±0.025 (1)	
Standard Color (Code)		Black (04)	
Compression Force Deflection, kPa (psi)	Modified ASTM D 3574 PTP-0033 @ 25% deflection	217 (31.5)	141 (20.5)
Compression Set,Typical %	ASTM D 3574 Test D, 70°C (158°F)	4.3	3
PHYSICAL-Release PET*			
Thickness, mm (mil)	Range	0.051 (2.01) - 0.053 (2.09)	
Breaking Strength, Mpa	GB/T1040.3-2006: MD, TD	≥150	≥170
Elongation, %	GB/T1040.3-2006: MD, TD	≥200	≤200
Heat Shrink Rate, %	GB/T16958-2008: MD, TD	0.6~0.8	0.9~1.1

* The release PET is typically removed during converting or final assembly and is not included as part of the total thickness.

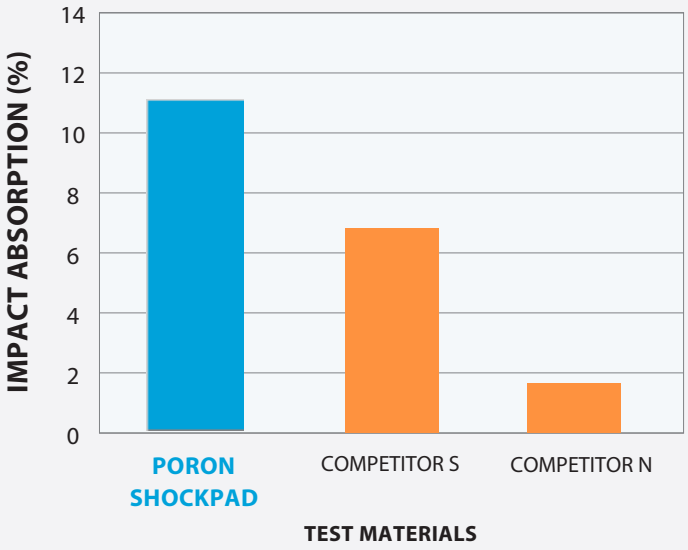
† Not shown to scale

Notes:
- All metric conversions are approximate.
- Additional technical information is available.
- Typical values should not be used for specification limits.

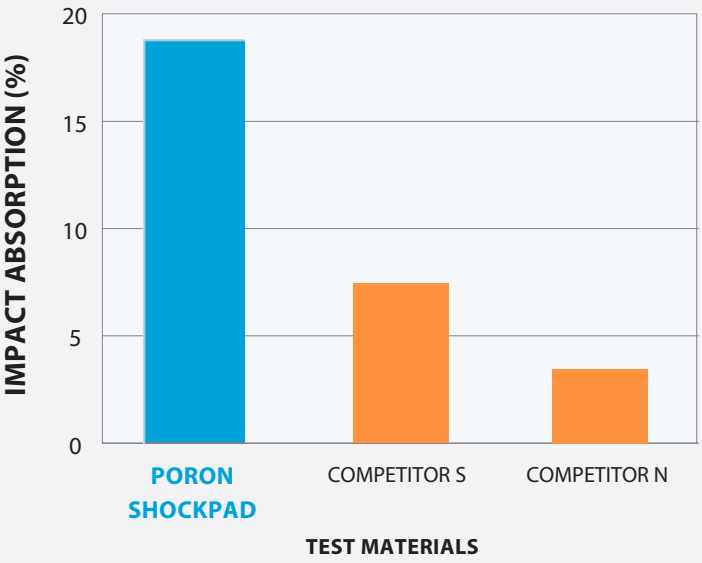
For more information and to request a sample, please contact our team of experts at solutions@rogerscorp.com

PORON® ShockPad Foam, cont'd

These results show PORON ShockPad material outperforms competitors by up to seven times!



GRAPH 1:
IMPACT PROTECTION: 0.10 MM FOAM



GRAPH 2:
IMPACT PROTECTION: 0.15 MM FOAM

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