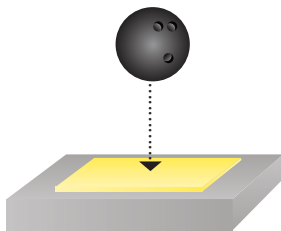


THE SCIENCE OF IMPACT PROTECTION

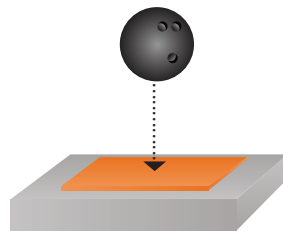
YOU HAVE TO SEE IT TO BELIEVE IT



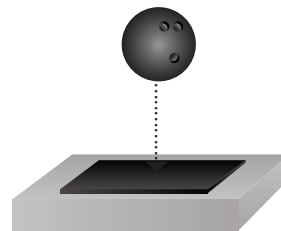
THE TEST



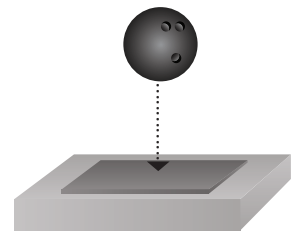
PORON® XRD™ MATERIAL



COMPETITOR A

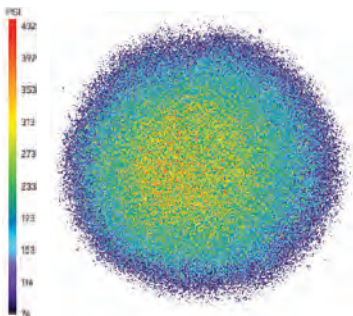


COMPETITOR B

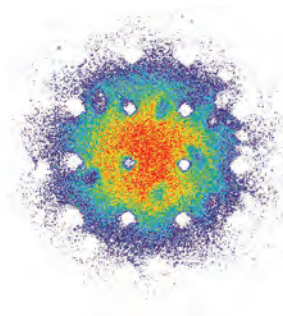


COMPETITOR C

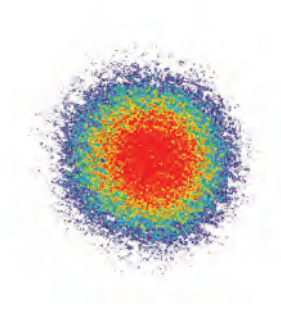
THE RESULTS



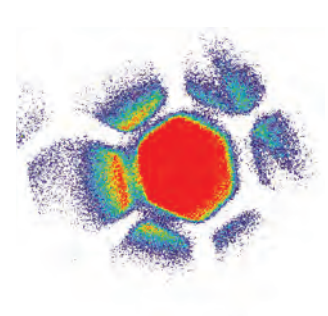
PORON® XRD™ MATERIAL



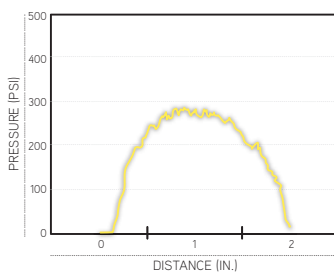
COMPETITOR A



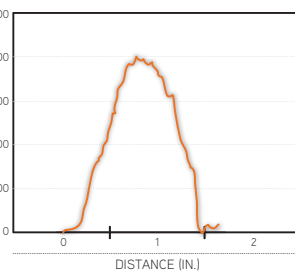
COMPETITOR B



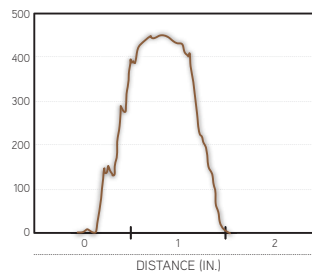
COMPETITOR C



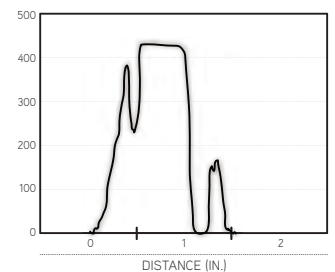
PORON® XRD™ MATERIAL



COMPETITOR A



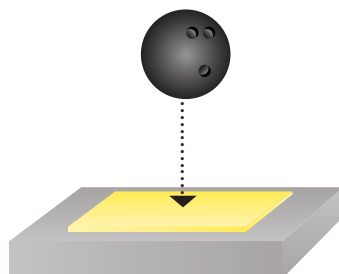
COMPETITOR B



COMPETITOR C

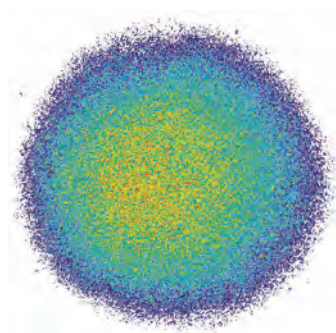
You've seen the backyard bowling experiment, now see the testing behind the demo. To measure the effectiveness of PORON® XRD™ Extreme Impact Protection Material, a bowling ball is dropped onto various pieces of foam that sit atop a pressure-sensing device. The test compared PORON XRD Materials and three other popular shock-absorbing materials used in protective equipment and apparel.

THE TEST

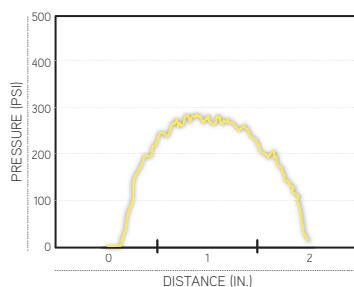


During the test, the ball is dropped on the foam and the pressure-sensing device measures the impact. It then color-codes the magnitudes of the pressures, from purple (lowest) to red (highest).

THE RESULTS



ENERGY ON IMPACT: PORON XRD Materials absorb more energy than competitive materials—nearly twice as much in some cases. The impact is also distributed over a greater area of the material, as opposed to directly through the material and to the other side (i.e. you).



IMPACT DISPERSION GRAPH: The amount of pressure detected along a line through the center of the area of impact was created and mapped. The distance recorded on the x-axis is a measurement of the diameter of the impact area, and the y-axis measures the pressure detected at that distance along the line.

Results shown are not from experimental bowling ball demonstration, but represent data collected under laboratory conditions.

FOR ADDITIONAL TESTING INFORMATION PLEASE VISIT WWW.PORONXRD.COM



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The information contained in this Sell Sheet and all Preliminary Data Information are intended to assist you in designing with Rogers' PORON® XRD™ Extreme Impact Protection. It is not intended to and does not create any warranties, express or implied, including any warrant of merchantability of fitness for a particular purpose or that the results shown in this Sell Sheet will be achieved by a user for a particular purpose. Each user must develop its own design and should determine the suitability of Rogers' products for that design.

WARNING: No impact absorbing material can prevent all injuries that may occur when the body is subjected to impact. Rogers makes no representation or warranty that PORON XRD Extreme Impact Protection material will prevent such injuries. The user of protective gear containing Rogers' materials should be aware of the limitations of the gear and should exercise reasonable care and caution in the undertaking of activities that may result in impact to the body.