Within the realm of resistive acoustic venting, no product exists today that can meet IP64 standards without robust housing designs to block and manage water exposure. Gore has designed products that maximize dust and spray protection at your desired acoustic performance level. These materials can provide improved small particle dust protection and higher levels of water spray efficiency. What this means for you is a device with improved protection levels and improved design success for IP64 standards.

**Comparative Water Spray Efficiency**

Because IPx4 tests are pass/fail, they do not allow for quantitative material comparisons. Gore developed a water spray test to evaluate materials' effectiveness of resisting water spray ingress. This test emulates a single water jet from the IPx4 test standard sprayed directly onto the material. Water ingress levels are measured and efficiency measurements are calculated.

**Dust Capture Efficiency for 7 – 10µm**

IPx6 test standards are limited to particulate sizes from 50µm to 75µm. Many portable electronic devices are required to operate in environments where particulate sizes are commonly much smaller. Gore has evaluated capture efficiencies of much smaller particles.

**Modified ASHRAE 52.2 Test Results for Woven and Non-Woven Materials**

For industrial use only. Not for use in food, drug, cosmetic or medical device manufacturing, processing, or packaging operations.

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