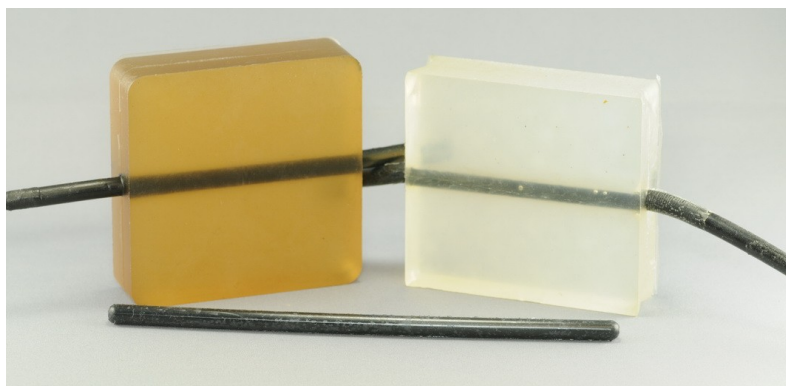


Sound Transfer - Coupling Media

Our focus is on highly effective sound transfer through the development of acoustic-capable polymers. These new polymers enable coupling of the ultrasonic sensor to the material under test or provides a layer to couple, seal or optimize energy transfer.

- Industrial dry coupling applications
- Novel wheel probe or delay line
- Sensor covers or optimizing layers
- Medical phantom and tissue mimicking
- Sensitivity and resolution targets



Our story for medical

AQUALENE™ and **ACE™** and **Aqualink™** are new polymers that have potential for medical ultrasonic medical applications, including thin film tissue mimicking. **Aqualene** is a thermoset elastomer which is soft and flexible. **ACE™** provides unique characteristics which include excellent toughness and wear features. Our **Aqualink™** material is VERY soft for applications requiring tissue mimicking or conformability. Our work with high frequency or area targets we can implant spheres, tubes, fine wires or other shapes into our polymers for accurate and stable system calibration. The introduction of varied scattering media into the polymer matrix will provide researchers with consistent and stable material standards.

Contact Us

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62 McBrine Place.
Kitchener, Ontario N2R 1H3
cell: 226-749-3035
ph: 519-741-0558

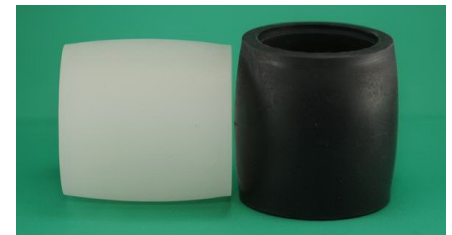
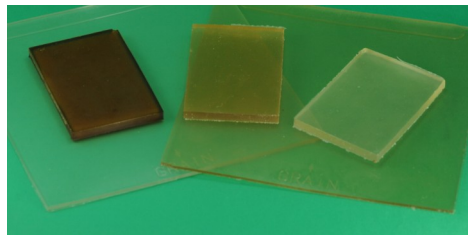
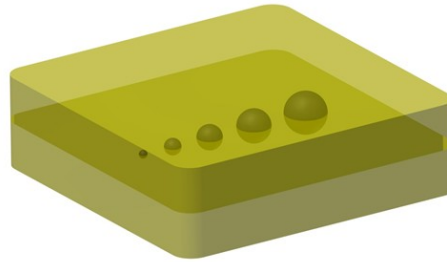
Rick MacNeil P.Eng.
rmacneil@innovationpolymers.ca

Who We Are

The key founders of the company have the experience and dedication needed for the advancement of sound transfer technology.

With over 35 years of rubber molding and production experience, Rick MacNeil knows how it's done.

We have the facility and capability to develop a wide range of unique sound coupling media.



Multiple layer, sheet or your unique shape

Solutions Through Innovation

Products and Services

The product range we offer is truly targeted at ultrasonic coupling, but we are always interested in unique applications where more than just getting sound into material is the goal. Let us collaborate on your application needs. Barrier layers or novel shapes sandwiched between layers of varied materials with specific properties could provide your team with the next innovative advancement.

Consider:

- immersion chamber applications
- novel direct coupling for flow
- dry coupling for composites
- Doppler and harmonic applications

What is your unique challenge? Specular reflection, diffuse reflection, scattering . . ?

More about our story

Our facility is equipped with the processing equipment and instrumentation to ensure repeatable consistent products. Die design and other custom work are all part of our complete service philosophy.