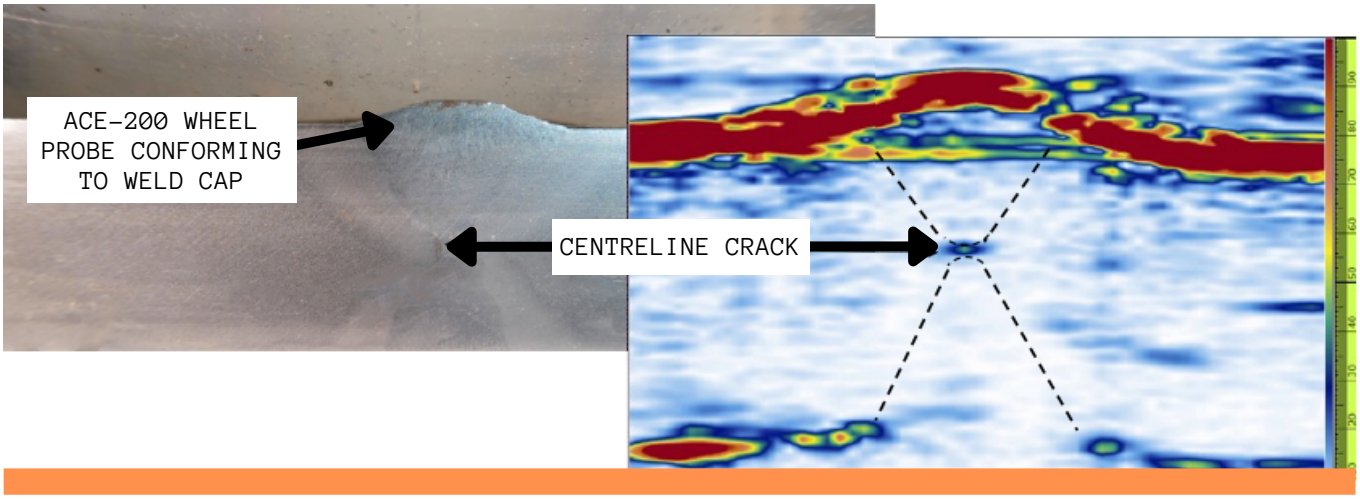
NEW POLYMER FROM INNOVATION POLYMERS PROVIDES HIGHER CONFORMABILITY & BETTER ATTENUATION



Innovation Polymers announces a new material that can conform to a weld cap and produce higher quality scan data for UT inspections

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One of the biggest stumbling blocks to obtaining clear scan data when inspecting irregular or variable surface geometry is the ability of your probe to conform with the surface. Conformability can be obtained with a flexible delay line, bladder or wheel between the transducer and the inspected component. The coupling between the membrane and the component requires a small quantity of water or couplant.

The research and development team at Innovation Polymers have created a new elastomer (ACE™ 200). The new formulation enhances the conformability as well as the ultrasonic properties of the material. This new material can now easily conform to irregular shapes which includes processing into flat sheets, bladders or wheels and other custom configurations based on customer specific designs.

Test Data

Acoustic Velocity (@ 20°C):

1531 m/s

Density: 900 kg/m³

Acoustic Impedance:

1.38 MRayls

Attenuation (@ 5MHz):

0.58 dB/mm

Innovation Polymers would like to announce the release of ACE™ 200.

- Shore A Hardness of 20
- Upgraded conformability characteristics from traditional ACE 400 polymer
- Better attenuation (0.58dB/mm)
- An excellent balance of rigidity and comfortability to optimize it's UT application