

### Surface pressure-indicating sensor film ideal for ensuring proper sealing and alignment

Pressurex is a thin flexible plastic film that instantly captures and permanently records pressure distribution and magnitude between any two mating or contacting surfaces.

After being clamped up and placed around the parting line of a mould, Pressurex reveals whether the pressure is evenly distributed.

"With moulds becoming more complex and being exposed to high pressures, it is a superior tool to bluing agents which mouldmakers traditionally use," said John Bozzelli, owner of Injection Molding Solutions in the USA, who uses Pressurex to demonstrate good or bad parting line mating, and open or closed vents in his consulting and training services.

Pressurex reveals pressure from

0.14 - 3,000 kg/cm<sup>2</sup> and is available in eight different pressure ranges, with medium and high pressure being the most commonly used for injection moulding applications.

When placed between two contacting surfaces, the film instantaneously and permanently changes colour proportionally to the actual pressure applied. Precise pressure magnitude is easily determined by comparing the resultant colour intensity to a colour correlation chart. . . conceptually similar to interpreting Litmus paper. No training or instrumentation is required.

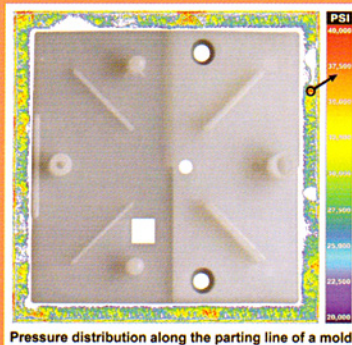
"In injection moulding, Pressurex confirms that parting lines are mating properly to prevent flash, and that the vents are open allowing for proper

filling of the mould cavity," said Bozzelli.

"When utilised to check a new or used mould, Pressurex is a great troubleshooting tool for flash, burns and other parting line issues; it can save moulders and mouldmakers thousands of dollars by documenting defects."

Pressurex has applications in injection moulding, injection-blow, injection-compression, metal injection moulding, gas assist, water assist or any moulding where mating metal surfaces are an issue.

While the temperature parameters of Pressurex indicate an operating temperature of 5°C to 35°C, which is suitable for testing metal moulds, it has been used at temperatures exceeding



Pressure distribution along the parting line of a mold

150°C for brief periods.

Physically similar in appearance to ordinary paper, Pressurex, which is 4 or 8 mm thick, conforms to curvaceous surfaces and is available in sheets or rolls that can be cut to size.

It also determines tactile surface pressure distribution in clamping, bolted joints, tooling, composites, lamination presses, nips of rollers, gaskets, heat sealing and scores of other industrial uses.