Inline viscosity measurement on plastics extrusion machinery

Sofraser launches new viscosity solution for plastic extrusion

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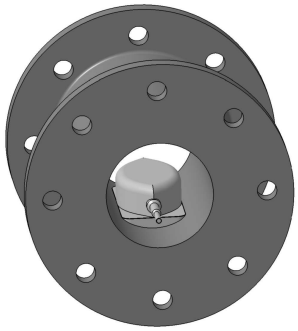
Sofraser launches a new vibrating inline process viscometer, Soflux, dedicated to the production, extrusion and injection of very high viscosity polymers. The Sofraser new inline viscometer measures the viscosity directly in the stream, with no derivation, and fits any molten polymer extrusion die, thus providing a revolution into high viscosity plastic extrusion process control.



Controlling inline the viscosity of the melted polymer before the extrusion die is the ideal solution to bring precious process information in order to set up and adjust the optimum extrusion parameters, and consequently realize process savings in material, labor, time and money.

In order to be installed in the harsh environment of the extruder (very high viscosities around 1 000 000 mPa.s and more, high pressures and high temperatures), the sensor's shape has been designed to facilitate the fluid's flow inside the pipe.

The installation of the Soflux viscometer on the extruder can be adjusted thanks to a connecting part customized to the extruder's dimensions which ensures ease-of-insertion before the extrusion die. Attached with a clamp, the viscosity sensor can easily be mounted and dismounted from the extruder. Moreover, the connecting part includes a heating system, allowing maintaining the temperature of very high viscosity fluids for their viscosity measurement.

About Sofraser

Sofraser is a 40 year fluid specialist and the inventor of the vibrating viscometer held at resonance frequency. Patented in 1981, it is now widely considered the most reliable in viscosity process instrumentation. For more information on our products and to access our expertise, visit sofraser.com or contact us at instruments@sofraser.com.

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