

**Business Case**  
**POLYMER CASTING**

# **HOW TO GET TAILORED VISCOSITY FOR VARIOUS PROJECTS**

For Reynolds Polymer, the challenge is to maintain perfect quality polymer by controlling viscosity with an easy-to-handle solution.

## CHALLENGE

Reynolds Polymer Technology provides turnkey projects in the aquarium, architectural, signage, furniture, and scientific industries across the globe.

They engineer complex, groundbreaking acrylic and polymer material structures. It implies not the smallest weakness in the quality of their polymer products.

To achieve this quality level, they need to measure viscosity extremely precisely for multiple products. They also wanted to automate the viscosity measures to save production time.

They were doing their measurements by hand and it could lead to human error. Which is a situation business want to avoid.



**From measuring by hand  
to an automated solution**

## SOLUTION

The solution Sofraser advised to opt for was a MIVI sensor.

This on-reactor viscometer comprehensive solution offers a real-time viscometry management, with large scope for adaptation to the client's process and team.

Its high reliability and easy cleaning and maintenance free made it the perfect answer to Reynolds Polymer technology expectations.

**MIVI Viscometer  
key features:**

**high reliability  
high precision  
low maintenance  
Easy to handle**

## RESULTS

Sofraser's solution, provided by the MIVI sensor helps Reynolds Polymer Technology process by allowing them decrease defects which in turn helps them produce high quality products with a considerable reduction of waste material.

The viscometers make the employees' job easier and erases human error. The change was well accepted as the training was easy and the MIVI straightforward to use and to set up.

Viscosity management is no longer a problem and Sofraser solution allows them to save time by being maintenance free.



**Luis Vallalpando**  
Casting Manager -  
Reynolds Polymer Technology

“ Once Sofraser's viscometers were implemented, our employees really loved them. They are very straight forward to use. Very straight forward to set up and also they are very easy to clean. So they really like the fact that they make their job a lot easier. ”

**14 days**  
For set up  
and training.





**Sofraser, pioneer in viscometry is highly reputed on:**

**Oil & Gas,  
Polymers & chemical,  
Coating,  
Food & beverage,  
Pharma & Biotech,**

We are serving demanding leaders on their industries, at an international scale, with on-line, at-line, in-line and in-tank innovative solutions that provide a unparalleled user-friendly experience.



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