

RTV Provides Production Benefits to High Quality Transducers

Elite Transducers Limited are one of the UK's leading manufacturers of Load Cells, they supply into various industrial sectors for a very broad range of applications. With 23 years experience, Elite understand high performance and reliability are of utmost importance; to ensure their units can perform consistently they manufacture them using accurately machined components which are then hand assembled with quality checks at every stage in production.

Our Customer

Elite Transducers Limited

Techsil Products Used

Momentive TSE397

And

Techsil® RTV27909



Due to the wide range of industries and applications Elite serve they need a supply partner who can be flexible, respond quickly to individual requests whilst also taking the strain of effectively managing time-critical and sizable stock supply and control. Elite have found that relationship with Techsil and the two companies have been working together for many years.

Application

RTV Silicones are a key element of Elite Transducers production process; they depend on RTV's to ensure their transducers will effectively withstand moisture and vibration damage to maintain their reliability.

One of Elites' USP's is their ability to manufacture high quality, low volume and custom one off transducers. In order to do this flexibility is critical within the production process, RTV silicones provide the ideal solution.

Thanks to Techsil's on site re-packing abilities they are able to provide Elite with material in dispensers that allow small quantities to be accurately mixed resulting in consistent materials and very low wastage.

Over the years Techsil have been able to work with Elite on their production process in varying the speed of cure (faster or slower) to suit their operating conditions on each application. Once

Customer Benefits

- Reliable, robust seals
- Reduced product wastage
- Precision application
- Flexibility and adaptability for bespoke assemblies
- Seamless stock supply
- Technical guidance

mixed, the materials are applied easily by hand allowing precision application within the transducer assembly.

Solution 1

Momentive TSE397, a semi-flowable; non-corrosive; fast curing silicone adhesive sealant which offers resolution to two critical functions. Firstly it provides a durable mechanical bond strong enough to hold the cable assembly in place prior to welding. Secondly, it boasts excellent weatherability resistance, providing additional protection to the ingress of moisture.

Solution 2

To provide an optimum seal, Techsil put forward a two-part clear potting silicone gel which can be poured into the assembly and completely encapsulate the unit. This material was specially designed for electronic potting and insulation applications at room temperature; offering excellent vibration dampening properties alongside providing superb mechanical shock protection.

Contact us for more information on our electronic potting and encapsulation solutions:

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