



ARCO®
SILICONE

A Division of Alliance Rubber Company

Silicone Case Study Three: *Silicone Rubber Bands*

We were contacted by a distributor on behalf of their client, a large chemical company in search of a silicone rubber band to act as spacers on a roller functioning in a hot environment.

Engineers at the client's facility knew some, but not all of the specific traits of this particular band. They provided physical drawings, but those drawings only contained the dimensions and tolerances and stated that the bands were a specific color silicone with talc coating. They were very secretive regarding any process usage details.

To best meet the client's needs it was imperative that we obtain the most specific finished product requirements possible. To achieve this, we asked the client to send samples of the existing bands for further testing. To protect the client's manufacturing information we signed a Confidentiality Non-Disclosure Agreement.

From the samples received, we were able to determine shore durometer of the material and verify the bands were a silicone profile. Burn testing was performed to determine the heat tolerance level required in the finished product. We were then able to take the information from the sample bands supplied and reverse engineer an exact band to meet the chemical company's needs.

Samples of our silicone rubber bands were supplied to the potential customer. The samples supplied to the customer passed their in-house testing and they have forwarded samples to an independent lab for 3rd party testing.



To learn more about other industries that have improved their work flow by using silicone extruded products offered by ARCO®, please visit <http://www.arcosilicone.com>. Or contact our experts directly by e-mailing sales@arcosilicone.com