

Date: December 20, 2013

Product Notification: Tygon S3™ E-LFL and Tygon S3™ E-3603 branding change

Dear Valued Customer:

Taking a proactive approach towards emerging regulations concerning DEHP plasticizer, Saint-Gobain has replaced some of our most popular Tygon® R-3603 Laboratory Tubing and Tygon® LFL Long Flexible Life tubing with the new Tygon S3™ E-3603 and Tygon S3™ E-LFL which both use a bio-based plasticizer. Because of the nature of the biobased plasticizer, the branding of Tygon S3™ E-3603 and especially Tygon S3™ E-LFL has shown reduced ink permanence during handling compared to the branding on the original Tygon® R-3603 and Tygon® LFL tubing. We have investigated multiple branding methods and the results indicate that laser branding is the best option for the Tygon S3™ E-3603 and Tygon S3™ E-LFL tubing. We have completed the final testing of laser branded tubing and the data shows equivalent physical characteristics and pump life compared to tubing branded with the current ink method.

Some of the advantages of laser branding are listed below:

- Permanent, clean, non-contact and dry
- High quality, higher resolution and brand design flexibility
- High-temperature resistance and durability
- No use of ink or any solvents
- Counterfeit-proof, trademark protection and security – customer always knows that they are using high quality Tygon® tubing

We are planning to begin implementation of laser systems for branding of Tygon S3™ E-3603 and Tygon S3™ E-LFL by the beginning of February 2014.

If you have any questions, please do not hesitate to contact Customer Service in Akron, Ohio at 1-800-798-1554. Thank you for your continuous support.

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