

RC Newsletter

Special Edition

February 2014



New Test Adhesive tesa® 7475 PV02

With the first tesa® rolls 7475 PV 02 produced, we made a short screening to evaluate the changes in release and subsequent adhesion testing. We noticed a shift in release values due to the change of adhesive in the new tesa® 7475 PV02. This shift is not uniform. It depends on the level of release and TEGO® RC Silicones involved.

Please note that different tesa® 7475 lots always had different level of release. Where possible, we have calculated a standard deviation of the release level of old tesa® 7475 lots on the very same release coating over the last 5 years. This number is given as STD in the following graphs.

The graphs summarize the effect with our most common silicone formulations. For comparison we tested two rolls of tesa® 7475 PV02 (green columns) and three rolls of tesa® 7475 (delivery lot 24.10.2013, grey columns). Initial results indicate changes in release. There is a higher release to be expected in tight release and a trend towards lower release in controlled release applications. Easy release coating appears to be not affected. As a consequence we expect that release specifications for the new tesa® 7475 PV02 need to be revised.

For the next three months we continue our evaluation by double testing every

Editorial

Dear Customer,

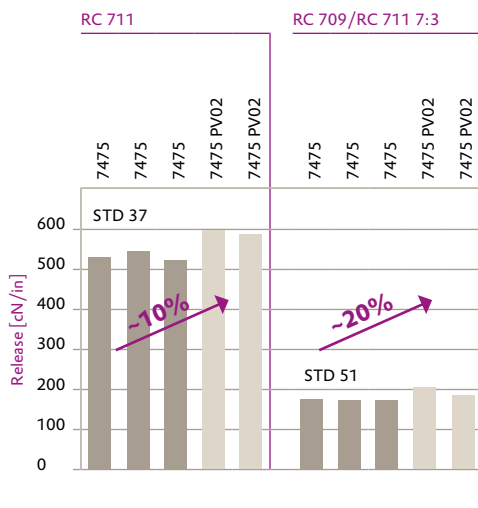
At the end of October 2013 tesa/Hamburg announced the launch of a new tesa® 7475 PV02. According to tesa, the older version is no longer available after December 2013. We received the information about the transition in January 2014 only.

We conducted screening tests with our TEGO® RC Silicones and tesa® 7475 PV02. First results indicate a different release behaviour. In this RC Newsletter we would like to provide some preliminary information on trends to be expected.

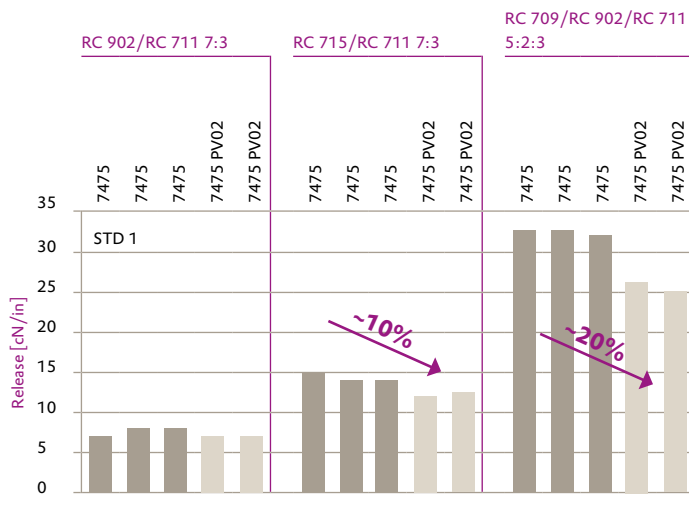
Your Global RC Team



Liner on BoPP with A18



Liner on BoPP with A18



single TEGO® RC Silicone batch with the old and the new version of tesa® 7475. Based on this comparison data, we will adjust our QC procedure and specification data. Since the old tesa® 7475 is no longer available we intend to set the new procedure and specification active during the second quarter 2014.

Our initial tests with our quick subsequent adhesion test method indicate that the new tesa® 7475 PV02 is well suited as a replacement for tesa® 7475.

However, also the new version shows some delamination when tested for the blank value on some substrates (e.g. on acetate film, see above picture). Delamination results in false readings and should be monitored on the blank substrates that you have in use (glass, metal, BoPP, acetate film ...).

In case of further questions, please do not hesitate to contact us.

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