

Test Method for Crack-Back-Quality

1 Climate conditions

It is important that the material is well acclimatized before testing. The correct room conditions should be between 20 and 22 °C at 50% relative humidity. The material should have enough time to acclimatize. Please make sure that printed material is fully dried before testing. A common mistake is that the labels are too early wrapped into film ready to be delivered. Then the material can have excessive moisture content and the crack doesn't work properly anymore.

2 Sample taking

Two 10 cm wide strip across the whole sheet width should be cut out. It must be in cross direction.

3 Fingerlift

To test the Crack-Back liner use the first sample and crack first line at maximum angle (see picture 1). Continue with all lines on the strip to see if it opens or not.



Pict. 1: Finger lift of a Crack Back line

4 Pull Across the liner

The second sample should be cracked in the middle of one Crack line. Then try to remove the liner completely without opening another crack line (see picture 2).



Pict. 2: Removing the liner from the face

5 Evaluation

It can happen that there are hangers during cracking the line. These are little parts which don't open (see picture 3). Then the number of hangers is important.



Pict. 3: Example of hanger

If there are more than 12 hangers on a 1 meter width the quality is not okay and a complaint should be opened. Looking at the available sheet sizes this would mean:

Sheet size (cm)		Number of Hangers	Sheet size (cm)		Number of Hangers
Width	Length		Width	Length	
0,21	0,30	3	0,50	0,70	6
0,32	0,46	4	0,61	0,43	7
0,43	0,61	5	1,00	0,70	12
0,45	0,64	5			

©2016 Avery Dennison Corporation. All rights reserved. Avery Dennison and all other Avery Dennison brands, this publication, its content, product names and codes are owned by Avery Dennison Corporation. All other brands and product names are trademarks of their respective owners. This publication must not be used, copied or reproduced in whole or in part for any purposes other than marketing by Avery Dennison.

DISCLAIMER

All Avery Dennison statements, technical information and recommendations are based on tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison products are sold with the understanding that purchaser has independently determined the suitability of such products for its purposes. All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see <http://terms.europe.averydennison.com>