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JRB/

1291122/O 290138

FILC Water absorption in FELT DR!PSTOP 110

## Test report

### Test

Water absorption test on felt adhered to metal plates.

### Samples

Three times five pc. metal plate with adhered felt - type "DR!PSTOP 110".

Sample size: 100x100 mm.

The samples were received here on 10 November 2008.

### Test methods

Water absorption test: DIN 53 923

Samples were stored for 24 hours at  $23 \pm 2^\circ\text{C}$  and  $50 \pm 5\%$  RH before testing.

Air bubbles and voids in felt were removed by finger rubbing during water soaking.

Test date: 20 - 21 November 2008.

## Test results

Water absorption test of felt adhered to metal plate (100x100 mm) at 0 degree slope.

	Before	After	Water absorption	Water absorption
	[g]	[g]	[g]	[Weight %]
Sample A3	48,03	59,74	11,71	24,38
Sample B3	48,3	58,83	10,53	21,80
Sample C3	47,72	59,55	11,83	24,79
Sample D3	48,14	59,57	11,43	23,74
Sample E3	47,99	59,7	11,71	24,40
Mean			<b>11,44</b>	<b>23,82</b>
Standard deviation			0,53	1,19

Water absorption test of felt adhered to metal plate (100x100 mm) at 45 degree slope.

	Before	After	Water absorption	Water absorption
	[g]	[g]	[g]	[Weight %]
Sample A2	48,45	60,21	11,76	24,27
Sample B2	48,44	58,31	9,87	20,38
Sample C2	48,6	58,62	10,02	20,62
Sample D2	47,81	58,03	10,22	21,38
Sample E2	47,98	58,19	10,21	21,28
Mean			<b>10,42</b>	<b>21,58</b>
Standard deviation			0,77	1,56

Water absorption test of felt adhered to metal plate (100x100 mm) at 90 degree slope.

	Before	After	Water absorption	Water absorption
	[g]	[g]	[g]	[Weight %]
Sample A1	48,01	57,23	9,22	19,20
Sample B1	48,3	57	8,7	18,01
Sample C1	47,71	57,46	9,75	20,44
Sample D1	48,14	58,03	9,89	20,54
Sample E1	47,98	57,83	9,85	20,53
Mean			<b>9,48</b>	<b>19,75</b>
Standard deviation			0,51	1,12

## Signature

Yours sincerely  
Centre for Plastics Technology



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Conditions: The test results are solely referring to the tested (examined) materials.  
Publication of the Test Report in full is allowed. Publication of extracts from the Test Report is allowed, if the testing laboratory has given a written approval.