

FOGRA TEST REPORTS



For the Washcloth

Fogra technical report n° 24647

Evaluation of Washcloth product according to the Fogra standard Washcloth test specification



Test certificate

Evaluation of a wash-cloth product according to the Fogra standard wash-cloth test specifications

Test certificate number: 24647

Company: Polichrom Screens S.p.A.
Via Predazzi 48,
24030 CARVICO (BERGAMO),
ITALY

Product: POLI-WASH

A detailed description of the product, the test results and an evaluation of the product properties are given in Fogra's test report 24647 of 04.02.11.
(Changes to the composition or structure of the tested wash-cloth product will require a new evaluation of the product.)

Test: The product properties were examined and evaluated using the following tests, which are part of the Fogra standard wash-cloth test:

1. Printing trials on an offset sheet-fed printing press, including an automatic washing and cleaning system (Heidelberg Speedmaster CD 74).
Analysing the solvent residue in the printed sheet after washing.
Assessment according to the Fogra standard wash-cloth test specifications.
2. Laboratory tests investigating the abrasion resistance, tensile strength, total elongation and presence of loose particles.
Assessment according to the Fogra standard wash-cloth test specifications.

Test results: The product "POLI-WASH" fulfils the specifications of the Fogra standard wash-cloth test.

Munich, 22.03.2011


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FOGRA TEST REPORTS



For the washing agent
Fogra technical report n° 26941

Evaluation of product POLIWET
according to typical test specification
used in approval tests on offset washing
and cleaning agents

Fogra technical report no: 26941
Policrom Screens S.P.A., Carvico, Italy
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Summary

The product POLIWET was assessed according to the above mentioned test criteria. Table 10 shows a summary of the assessment:

Test criteria	Pass or fail?		
	POLIWET SOLVENT		
Health and Safety aspects	Pass		
Formulation stability	Pass		
Iodine number	Pass		
Solvent residue / VOC content	Solvent residue: > 20 %	VOC content: classified as VOC free	Please refer to the following paragraph for the overall assessment of this criterion
Swell test on printing blankets	Pass		
Swell test on rollers	Pass		
Compatibility test on printing plates	Borderline Pass		

Table 10: Summary table of test results

According to EPA's Method 24 and California's regulation, the product POLIWET can be classified as a non-VOC product. The presence of non-volatile, sticky residues could cause problems in the printing press (e. g. clogging of nozzles and pipes). This is why the tolerable amount of non-volatile residues is restricted to 5 % for VOC-containing and to 20 % for non-VOC products. However, this criterion was primarily introduced for conventional products used in automatic washing systems of a printing press and not for cleaning agents designed to impregnate wash cloths. Here, the amount of residual solvent is not as important. As a conclusion it can be said that even though the product does not meet the official approval criterion for solvent residues, this does not indicate that the product is thereby unsuitable or likely to cause problems.

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