

Recycling Test according to PTS-RH 021/97

Client: UNIFOIL
 Order of: 22.07.2021
 Our testing number: PMV-21-255

PROPERTY			
Recyclability Test according to the PTS method RH 021/97 by Category II		UNIT	Sample Silver layer
Point 5.3	manual determination of non - paper components		Determination is not necessary
Point 6.3	content of difficult to disintegrate materials and the flake content determination method ZM V/18/62	MW	%
		s	%
		V	%
			0,2
			0,04
			19,9
		According to PTS-RH 021/97, the requirements for recyclability are fulfilled at this point, since the contents of the undisintegrated materials are lower than 20%.	
Point 6.4	Sheet formation	2 handsheets were prepared	
Point 6.5	Sheet bonding test before screening	no bonding and picking of the coating particles on the carrier board and some visible inhomogeneity was observed.	
Point 6.6	Screening process	-	
Point 6.5	Sheet bonding test after screening	-	
		According to PTS-RH 021/97 the recyclability requirements are fulfilled at this point, since the result of bonding test on the sheets prepared from screening accept in accordance with point 6.5. shows no bonding	
Final evaluation		RECYCLABLE	

Test procedure:

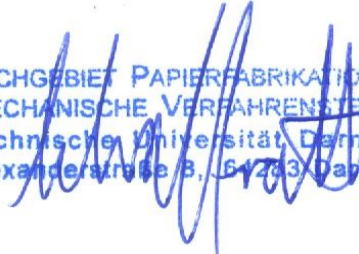
Shredding, conditioning and weighing the samples according to PTS-RH 021/97 pt. 5.4/5.5: 50 g o.d.
 Disintegration of the sample according to PTS-RH 021/97 point 6.1.
 The disintegrated stock is diluted with tap water to a total volume of 10 liters.

Abbreviations:

MW mean value
 s standard deviation
 V coefficient of variation

PTS Paper Technical Foundation, München
 DIN Testing Standard of the German Institute for Standardization, Berlin (D)
 EN European Standard

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Sample conditioning:

23/50-1, class 1
 (23°C and 50% relative humidity according to DIN EN 20187:1993-11)