



IST UV Days 2019 Deinking of UV-/LED-UV prints

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Actual situation



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How is the Deinkability measured?

Officially approved lab test method Deinkability INGEDE* Method 11 (01/2018)



* **INGEDE** is an association of leading European paper manufacturers founded in 1989. INGEDE aims at promoting utilization of recovered graphic paper (newsprint, magazines and office paper) and improving the conditions for an extended use of recovered paper for the production of new graphic paper, hygiene paper, and white top liner and folding boxboard. www.ingede.com



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Removal of UV-/LED UV ink



Bildquelle: vdp

Printing ink particles are transported by the air bubbles to the surface

Size of printing ink particles must be small and hydrophobic

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Assessment of Deinkability?



The assessment is based on 6 parameters determined in the deinking lab test

Score (Punktzahl)	Evaluation of deinkability (Bewertung der Deinkbarkeit)
71 to 100 Points	Good (Gut)
51 to 70 Points	Fair (Befriedigend
0 to 50 Points	Tolerable (Ausreichend)
Negative (failed to meet at least one threshold) Negativ (mindestens ein Schwellen- wert verfehlt)	Not suitable for deinking (nicht zum Deinking geeignet) *)

set out in the European Declaration on Paper Recycling first published in 2000 and renewed every five years since. The current target for the 2016-2020 declaration is set to 74%.www.paperrecovery.org





Dirt specks (ink particles) after flotation



Dirt specks (ink particles) after flotation

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Results

For further questions please mail to

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