SCAN-test Methods of physical character, withdrawn January 2002

Title (ISO standard and EN standard)	ISO standard EN standard	Withdrawn SCAN-test	Differences
Pulps – Determination of dry matter content	ISO 638:1978 EN 20638	C 3:78	Identical
Pulps – Determination of stock concentration (Rapid method)	ISO 4119:1994 EN ISO 4119	C 17:64	Identical
Pulps – Laboratory wet disintegration (Revision 2000)	ISO 5263:1994 EN ISO 5263	C 18:65 **M 2:64 (20 °C)** **M 10: 77 (85 °C)**	Not identical, e.g. temp for disintegration. **M 2 and M 10 should be withdrawn.**
Pulps – Laboratory beating – Part 2: PFI mill method	ISO 5264-2:1979 EN ISO 5264-2	C 24:96	Will be identical after revision (in progress) of ISO.
Pulps – Determination of drainability – Part 1: Schopper-Riegler method	ISO 5267-1:1999 EN ISO 5267-1	C 19:65	Identical
Pulps – Preparation of laboratory sheets for physical testing –Part 1: Conventional sheet-former method	ISO 5269-1:1998 EN ISO 5269-1	CM 26:99	Identical, but for high grammage sheets: SCAN states: 140 ± 3 g/m^2, ISO states: unspecified grammage ± 3 g/m^2.
Pulps – Laboratory sheets – Determination of physical properties	ISO 5270:1998 EN ISO 5270	C 28:76	*Grammage* (oven-dry basis) 60 ± 2 g/m^2 in ISO and in SCAN-C 26 (not stated in C 28) *Included in ISO but not in SCAN C 26:* Resistance to bending, Flat crush resistance, Compressive strength - Short span test, Compressive strength - Ring crush method. **SCAN-C 36** (Stiffness and compressive strength) **should be withdrawn.** *Air permeance:* ISO: $p = \frac{127}{t}$ SCAN: $p = \frac{128}{t}$
Paper, board and pulps – Standard atmosphere for conditioning and testing and procedure for monitoring the atmosphere and conditioning of samples	ISO 187:1990 EN 20187	P 2:75	Pre-conditioning: SCAN: 25 – 35 % RH ISO: 10 – 35 % RH
Paper and board – Determination of moisture content – Oven-drying method	ISO 287:1985 EN 20287	P 4:63	Different temperature: SCAN: 103 ºC ISO 105 ºC
Paper and board – Determination of thickness and apparent bulk density or apparent sheet density	ISO 534:1988 EN 20534	P 7:96	Identical

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Paper and board – Determination of water absorptiveness – Cobb method	ISO 535:1991 EN 20535	P 12:64	Identical, but ISO is more up to date.
Paper and board – Determination of grammage	ISO 536:1995 EN ISO 536	P 6:75	Minimum test piece area: SCAN=750 cm^2 ISO=500 cm^2
Paper and board – Determination of tensile properties. Part 2: Constant rate of elongation method	ISO 1924-2:1994 EN ISO 1924-2	P38:80	Identical
Paper – Determination of tearing resistance (Elmendorf method)	ISO 1974:1990 EN ISO 1974	P 11:96	Identical
Paper, board and pulps – Measurement of diffuse reflectance factor + techn. corrigendum	ISO 2469:1994 -	G-1:92	ISO 2469 is more up to date than SCAN. Revision of ISO in progress.
Paper, board and pulps – Measurement of diffuse blue reflectance factor (ISO brightness)	ISO 2470:1999 -	P 3:93	ISO has UV adjustment, which is missing in SCAN
Paper and board – Determination of opacity (paper backing) – Diffuse reflectance method	ISO 2471:1998 -	P 8:93	ISO: only determination of opacity SCAN: also s- and k-value, Y value
Paper – Determination of light scattering and absorption coefficients (using Kubelka-Munk theory)	ISO 9416:1998 -	P 8:93	ISO is more up to date.
Paper and board – Determination of colour (C/2°) – Diffuse reflectance method	ISO 5631:2000 -	P 71:95	ISO is more up to date. The ISO standard is recommended to be used for Y-value.
Paper and board – Determination of CIE whiteness, D65/10° (outdoor daylight)	ISO 11475:1999 -	P 66:93	Identical, but ISO is more up to date.
Single-faced and single wall corrugated fibreboard – Determination of flat crush resistance	ISO 3035:1982 EN 23035	P 32:71	Identical
Corrugated fibreboard – Determination of edgewise crush resistance (Unwaxed edge method)	ISO 3037:1994 EN ISO 3037	P 33:71	Identical
Corrugating medium – Determination of the flat crush resistance after laboratory fluting	ISO 7263:1994 EN ISO 7263	P 27:69	Identical
Tissue paper and tissue product – Part 4: Determination of tensile strength, stretch at break and tensile energy absorption	Will be ISO EN 12625-4	P 44:81	Harmonisation
Tissue paper and tissue product – Part 3: Determination of thickness, bulking thickness and apparent bulk density	Will be ISO EN 12625-3	P 47:83	Harmonisation
Tissue paper and tissue product – Part 5: Determination of wet tensile strength	Will be ISO EN 12625-5	P 58:86	Harmonisation