# **UPM** Paper grades

**Recommendation** for choosing profile and characterization data **(Rotogravure)**

**Rotogravure - ISO 12647-4**

The Biofore Company UPM

### LWC Plus (S1-GT2) - Improved LWC

| Brand | Grade | Finish | ECI Characterisation Data | ICC Profile | Year published | L* (D50/2°) WB | a* (D50/2°) WB | b* (D50/2°) WB | L* (D50/2°) BB | a* (D50/2°) BB | b* (D50/2°) BB | Comments | Fluorescence |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Reference** | | | ECI_PSR_LWC_PLUS_V2.txt | PSR_LWC_PLUS_V2_PT.icc | | 93,7 | -0,2 | 0,4 | | | | | |
| **UPM Finesse G** | HWC | gloss | ECI_PSR_LWC_PLUS_V2.txt | PSR_LWC_PLUS_V2_PT.icc | 2009 | 95,3 | 1,1 | -2,3 | 93,0 | 0,5 | -3,4 | a) | moderate |
| **UPM Star G** | MWC | gloss | ECI_PSR_LWC_PLUS_V2.txt | PSR_LWC_PLUS_V2_PT.icc | 2009 | 92,4 | 1,1 | -2,0 | 90,5 | 0,2 | -2,9 | a) | moderate |
| **UPM Star silk G** | MWC | silk | ECI_PSR_LWC_PLUS_V2.txt | PSR_LWC_PLUS_V2_PT.icc | 2009 | 93,1 | 1,1 | -2,0 | 91,2 | 0,4 | -2,8 | a) | moderate |
| **UPM Ultra G** | LWC | gloss | ECI_PSR_LWC_PLUS_V2.txt | PSR_LWC_PLUS_V2_PT.icc | 2009 | 92,5 | -0,2 | 1,3 | 90,0 | -0,9 | -0,6 | a) | low |
| **UPM Ultra silk G** | LWC | silk | ECI_PSR_LWC_PLUS_V2.txt | PSR_LWC_PLUS_V2_PT.icc | 2009 | 92,5 | 0,8 | -0,2 | 88,1 | -0,3 | -2,1 | a) | low |
| **UPM Ultra matt G** | LWC | matt | ECI_PSR_LWC_PLUS_V2.txt | PSR_LWC_PLUS_V2_PT.icc | 2009 | 92,1 | 1,2 | -0,8 | | | | b) | low |
| **all above also** | | | PSRgravureLWC_ECI2002.txt | PSRgravureLWC.icc | | | | | | | | Old profile / Char. Data | |

### LWC Standard (S2-GT2) - Light Weight Coated

| Name | Grade | Finish | ECI Characterisation Data | ICC Profile | Year published | L* (D50/2°) WB | a* (D50/2°) WB | b* (D50/2°) WB | L* (D50/2°) BB | a* (D50/2°) BB | b* (D50/2°) BB | Comments | Fluorescence |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Reference** | | | ECI_PSR_LWC_STD_V2.txt | PSR_LWC_STD_V2_PT.icc | | 89,7 | -0,2 | 3,4 | | | | | |
| **UPM Cote G** | LWC | gloss | ECI_PSR_LWC_STD_V2.txt | PSR_LWC_STD_V2_PT.icc | 2009 | 91,8 | -0,2 | 4,7 | 87,2 | -1,2 | 1,2 | a) | faint |
| **UPM Cote G** | | | PSRgravureLWC_ECI2002.txt | PSRgravureLWC.icc | | | | | | | | Old profile / Char. Data | |

### SC Plus (S3-GT2) - Super Calendered

| Name | Grade | Finish | ECI Characterisation Data | ICC Profile | Year published | L* (D50/2°) WB | a* (D50/2°) WB | b* (D50/2°) WB | L* (D50/2°) BB | a* (D50/2°) BB | b* (D50/2°) BB | Comments | Fluorescence |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Reference** | | | ECI_PSR_SC_PLUS.txt | PSR_SC_PLUS_V2_PT.icc | | 91,3 | -0,3 | 2,1 | | | | | |
| **UPM Smart G** | SC-A++ | gloss | ECI_PSR_SC_PLUS.txt | PSR_SC_PLUS_V2_PT.icc | 2010 | 92,5 | 0,5 | 1,8 | 88,1 | -0,7 | -1,1 | a) | low |
| **UPM Cat G** | SC-A+ | gloss | ECI_PSR_SC_PLUS.txt | PSR_SC_PLUS_V2_PT.icc | 2010 | 91,0 | 0,0 | 4,5 | 86,5 | -1,2 | 1,4 | a) | low |
| **UPM Cat silk G** | SC-A+ | gloss | ECI_PSR_SC_PLUS.txt | PSR_SC_PLUS_V2_PT.icc | | 91,8 | -0,3 | 2,8 | 88,7 | -1,2 | 0,7 | a) | low |
| **UPM ReCat G** | SC-A+ | silk | ECI_PSR_SC_PLUS.txt | PSR_SC_PLUS_V2_PT.icc | 2010 | 90,0 | 0,0 | 4,5 | | | | New product, values are estimate | low |

### SC Standard (S4-GT2) - Super Calendered

| Name | Grade | Finish | ECI Characterisation Data | ICC Profile | Year published | L* (D50/2°) WB | a* (D50/2°) WB | b* (D50/2°) WB | L* (D50/2°) BB | a* (D50/2°) BB | b* (D50/2°) BB | Comments | Fluorescence |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Reference** | | | ECI_PSR_SC_STD_V2.txt | PSR_SC_STD_V2_PT.icc | | 89,1 | -0,7 | 4,7 | | | | | |
| **UPM Max G** | SC-A | gloss | ECI_PSR_SC_STD_V2.txt | PSR_SC_STD_V2_PT.icc | 2009 | 89,6 | 0,1 | 5,9 | 86,0 | -1,1 | 2,9 | a) | faint |
| **UPM Max silk G** | SC-A | silk | ECI_PSR_SC_STD_V2.txt | PSR_SC_STD_V2_PT.icc | 2009 | 90,4 | -0,2 | 6,8 | 86,9 | -1,2 | 3,7 | a) | faint |
| **UPM Eco G** | SC-B | gloss | ECI_PSR_SC_STD_V2.txt | PSR_SC_STD_V2_PT.icc | 2009 | 89,0 | -0,3 | 6,0 | 84,9 | -1,3 | 2,3 | a) | faint |
| **all above also** | | | PSRgravureSC_ECI2002.txt | PSRgravureSC.icc | | | | | | | | Old profile / Char. Data | |

### News Plus (S5-GT2)

| Name | Grade | Finish | ECI Characterisation Data | ICC Profile | Year published | L* (D50/2°) WB | a* (D50/2°) WB | b* (D50/2°) WB | L* (D50/2°) BB | a* (D50/2°) BB | b* (D50/2°) BB | Comments | Fluorescence |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Reference** | | | PSRgravureMF_ECI2002.txt | PSRgravureMF.icc | | 88,8 | -0,9 | 4,5 | | | | | |
| **UPM EcoPrime 68 G** | MFS | matt | PSRgravureMF_ECI2002.txt | PSRgravureMF.icc | 2004 | 89,9 | -0,1 | 5,6 | 86,0 | -0,8 | 2,1 | a) | faint |
| **UPM EcoBasic G** | News | matt | PSRgravureMF_ECI2002.txt | PSRgravureMF.icc | 2004 | 83,1 | 1,7 | 4,1 | | | | b) | faint |

Notes:

a) Measurement condition for Papershade: ISO 13655, M0; D50/2°
Measurement Device: Techkon RS800
Measured samples from: UPM Paper Sample books 2011

b) Measurement condition for Papershade: ISO 13655, M0; D50/2°
Measurement Device: X-Rite SpectroEye
Measured samples from: Production

Paper Classification for Rotogravure Papers according to the Print substrate classification in ISO 12647-4:2014 and MediaStandard Print (bvdm)

Disclaimer

CIE Lab D50 Paper shade values are informative only and not subject for any contractual agreement. Paper shade values may vary and are highly dependent on the equipment used.

Paper profile recommendations and Fogra characterisation data recommendations are made by our best knowledge.
However, the nature of these profiles/characterisation data files do not guarantee a perfect colour match.

Version 2013.08.15