

Steinbeis Papier Glückstadt GmbH &amp; Co. KG

## Technical Data Sheet - Charisma Silk (reels)

Raw Material/Furnish	100 % deinked Pulp (100 % post consumer) no chlorine bleaching in production process					
Environmental Symbols	Blue Angel Nordic Environmental Label					
Grammage/Substance:	57 g/m <sup>2</sup>	60 g/m <sup>2</sup>	65 g/m <sup>2</sup>	70 g/m <sup>2</sup>	80 g/m <sup>2</sup>	90 g/m <sup>2</sup>
Grammage [g/m <sup>2</sup> ] (DIN EN ISO 534)	57 ± 2,5 %	60 ± 2,5 %	65 ± 2,5 %	70 ± 2,5 %	80 ± 2,5 %	90 ± 2,5 %
Thickness [µm] (DIN EN 20534/ISO534)	57 ± 3	60 ± 3	65 ± 3	70 ± 3	80 ± 3	90 ± 3
Volume [cm <sup>3</sup> /g]	1,0 ± 0,1	1,0 ± 0,1	1,0 ± 0,1	1,0 ± 0,1	1,0 ± 0,1	1,0 ± 0,1
Tensile Strength [Nm/g] (DIN EN ISO 1924-2)	50 ± 5	50 ± 5	50 ± 5	47 ± 5	45 ± 5	45 ± 5
Surface:	softcalendered					
Smoothness Bekk [sec] (DIN 53107)	250 ± 50	250 ± 50	250 ± 50	230 ± 50	230 ± 50	230 ± 50
Opacity [%] (DIN 53.164)	93 ± 2	94 ± 2	95 ± 2	96 ± 2	97 ± 2	97 ± 2
Gloss (Gardner 75°)	25 ± 3	25 ± 3	25 ± 3	25 ± 3	25 ± 3	25 ± 3
Brightness [%] (ISO 2470)	81,5 ± 1	82 ± 1	82,5 ± 1	83 ± 1	83 ± 1	83 ± 1
Relative humidity [%]	45 ± 5	45 ± 5	45 ± 5	45 ± 5	45 ± 5	45 ± 5
Ageing properties (DIN 6738-92)	Group LDK 12 - 80 ≈ several 100 years					
Recommended screen	60 - 70 L/cm					
Recommended inks	Heatset Web Offset inks for LWC- or SC-Offset					