

GLASSINE PAPER

Technical Data Sheet

PRODUCT	GRADE / FINISH
GLASSINE PAPER	30-120 gsm White, Blue and Yellow

WHITE GLASSINE GRADES 30 TO 62

PARAMETER	30	33	40	45	50	55	57/58	62	METHOD
Specified Basis Weight (g/m²)	30 ± 2.0	33 ± 2.0	40 ± 2.0	45 ± 2.0	50 ± 2.0	55 ± 2.0	58 ± 2.0	60 ± 2.0	GB/T 451.2
Caliper (mm)	0.028-0.032	0.029-0.033	0.034-0.040	0.041-0.045	0.040-0.046	0.048-0.054	0.050-0.056	0.054-0.060	GB/T 451.3
Transparency (%)	≥58	≥56	≥50	≥50	≥44	≥42	≥42	≥36	GB/T 2679.1
Tensile Strength MD (kN/m)	≥2.0	≥2.2	≥3.5	≥4.0	≥4.4	≥4.6	≥5.0	≥5.2	GB/T 12914
Tensile Strength CD (kN/m)	≥1.8	≥2.0	≥2.2	≥2.5	≥2.8	≥2.8	≥3.0	≥3.2	GB/T 12914
Tear Strength MD (mN)	≥180	≥180	≥200	≥240	≥280	≥290	≥300	≥320	GB/T 455
Tear Strength CD (mN)	≥200	≥200	≥220	≥260	≥300	≥310	≥320	≥350	GB/T 455

WHITE GLASSINE GRADES 78 TO 120

PARAMETER	78	80	90	100	120	METHOD
Specified Basis Weight (g/m²)	78 ± 2.0	80 ± 2.5	90 ± 2.5	100 ± 2.5	120 ± 3.0	GB/T 451.2
Caliper (mm)	0.065-0.070	0.068-0.074	0.076-0.082	0.086-0.092	0.096-0.102	GB/T 451.3
Transparency (%)	≥30	≥30	≥20	≥20	≥18	GB/T 2679.1
Tensile Strength MD (kN/m)	≥6.0	≥6.5	≥7.0	≥7.5	≥9.0	GB/T 12914
Tensile Strength CD (kN/m)	≥3.8	≥4.0	≥5.0	≥5.5	≥6.5	GB/T 12914
Tear Strength MD (mN)	≥460	≥500	≥600	≥700	≥800	GB/T 455
Tear Strength CD (mN)	≥500	≥540	≥700	≥800	≥900	GB/T 455

Grade labels 57/58 and 62 are retained from the supplied specification. Their stated basis weights are 58 ± 2.0 g/m² and 60 ± 2.0 g/m² respectively.

GLASSINE PAPER CONTINUED

BLUE AND YELLOW GLASSINE GRADES

PARAMETER	50 ASIA BLUE	58 EUROPE BLUE	58 ASIA BLUE	58 YELLOW	METHOD
Specified Basis Weight (g/m ²)	50 ± 2.0	58 ± 2.0	58 ± 2.0	58 ± 2.0	GB/T 451.2
Caliper (mm)	0.040-0.046	0.050-0.056	0.050-0.056	0.050-0.056	GB/T 451.3
Transparency (%)	≥44	≥42	≥42	≥42	GB/T 2679.1
Tensile Strength MD (kN/m)	≥4.4	≥5.0	≥5.0	≥5.0	GB/T 12914
Tensile Strength CD (kN/m)	≥2.8	≥3.0	≥3.0	≥3.0	GB/T 12914
Tear Strength MD (mN)	≥280	≥300	≥300	≥300	GB/T 455
Tear Strength CD (mN)	≥300	≥320	≥320	≥320	GB/T 455

COLOUR REQUIREMENTS FOR COLOURED GRADES

COLOUR VALUE	50 ASIA BLUE	58 EUROPE BLUE	58 ASIA BLUE	58 YELLOW	METHOD
L*	80 ± 2	80 ± 2	80 ± 2	90.0 ± 2	GB/T 7975
a*	-21.0 ± 2.0	-14.5 ± 2.0	-21.0 ± 2.0	2.0 ± 2.0	GB/T 7975
b*	-8.0 ± 2.0	-4.5 ± 2.0	-8.0 ± 2.0	35.0 ± 2.0	GB/T 7975

COMMON REQUIREMENTS FOR ALL GRADES

PARAMETER	UNIT	REQUIREMENT	METHOD
Moisture	%	≤7.5	GB/T 462
Density	g/cm ³	≥1.0	Not stated
75° Gloss, silicone-coated side	%	≥40.0	GB/T 8941
Smoothness, silicone-coated side	s	≥1000	GB/T 456
Roughness, silicone-coated side	μm	≤1.8	GB/T 22881
Shrinkage MD / CD	%	≤0.6 / ≤1.0	Not stated
Oil Absorption, silicone-coated side	g/m ²	≤1.8	GB/T 29282
Dirt <0.2 / 0.2-1.0 / >1.0 mm ²	spots/m ²	≤20 / ≤10 / 0	GB/T 1541

Data status: reference specification reproduced from the supplied quality standard, revision 2019.05. Test method editions and contractual tolerances should be reconfirmed before final order approval.