

NATURAL GREASEPROOF PAPER

Technical Data Sheet

PRODUCT	GRADE / FINISH
NATURAL GREASEPROOF PAPER	34-60 gsm Natural Series Specification

BASIS WEIGHT AND CALIPER BY GRADE

PARAMETER	34 gsm	36 gsm	38 gsm	40 gsm	50 gsm	55 gsm	60 gsm	METHOD
Basis Weight (g/m²)	34 ± 1.5	36 ± 1.5	38 ± 1.5	40 ± 1.5	50 ± 1.5	55 ± 1.5	60 ± 1.5	GB/T 451.2
Caliper (µm)	41 ± 1.0	43 ± 1.0	46 ± 1.0	48 ± 1.0	60 ± 1.0	66 ± 1.0	72 ± 1.0	GB/T 451.3

GRADE SPECIFIC MECHANICAL REQUIREMENTS

PARAMETER	34 gsm	36 gsm	38 gsm	40 gsm	50 gsm	55 gsm	60 gsm	METHOD
Tear Strength CD (mN)	≥200	≥200	≥200	≥200	≥240	≥240	≥240	GB/T 455
Burst Strength (kPa)	≥150	≥150	≥150	≥150	≥180	≥180	≥180	GB/T 454

COMMON PHYSICAL AND SURFACE REQUIREMENTS

PARAMETER	UNIT	REQUIREMENT	METHOD
Moisture	%	7.0 ± 0.5	GB/T 462
Colour L* / a* / b*	-	65.0-67.0 / 8.0-9.0 / 21.0-22.5, or customer-agreed shade	Not stated
Fluorescent Substances, 254 / 365 nm	-	Negative / Negative	GB/T 27741
Smoothness, front / back	s	≥50 / ≥20	GB/T 456
Tensile Index MD	N·m/g	≥60	GB/T 12914
Grease Resistance, front / back	3M-KIT	≥5 / ≥5, or customer order requirement	GB/T 22085.2
Oil Absorption	g/m²	≤2.5	GB/T 22085.2
Dirt, 0.2-1.0 mm² / >1.0 mm²	spots/m²	≤50 / none permitted	GB/T 1541
Slit Width Tolerance	mm	0 to 2	Internal control

Appearance and food-safety controls: even fibre distribution and thickness; flat, uniform surface; no obvious warping, streaks, holes, cracks, hair or raised defects; consistent batch colour; normal colour and no abnormal odour, mould or contamination. Chemical additives shall meet applicable food-contact requirements.

NATURAL GREASEPROOF PAPER CONTINUED

40 GSM INDEPENDENT SAMPLE VERIFICATION

FIELD	DETAIL
Report	No. 2613401444 Tested 11 Feb-4 Mar 2026
Sample	Natural greaseproof paper Paper 40 gsm Qualified grade
Decision criteria	GB 4806.8-2022 and QB/T 1014-2025
Report conclusion	All 20 tested items complied with the stated decision criteria

PHYSICAL PERFORMANCE TEST RESULTS FOR THE 40 GSM SAMPLE

PARAMETER	UNIT	REQUIREMENT	TEST RESULT	STATUS
Basis Weight Deviation	%	±5.0	+0.2	Pass
Burst Index	kPa·m²/g	≥2.00	5.20	Pass
Tensile Index, MD/CD average	N·m/g	≥30.0	75.0	Pass
Tear Index, MD/CD average	mN·m²/g	≥3.50	5.60	Pass
Water Absorption, both sides	g/m²	≤35.0	20.8	Pass
Grease Resistance	kit level	≥5	7	Pass
Delivery Moisture	%	4.0-9.0	7.0	Pass
Width Deviation	mm	±3	0	Pass
Dirt, three reported size bands	spots/m²	≤100 / ≤10 / none	0 / 0 / 0	Pass
Appearance	-	Specified visual criteria	Compliant; no core; otherwise compliant	Pass

FOOD CONTACT AND HYGIENE TEST RESULTS FOR THE 40 GSM SAMPLE

PARAMETER	UNIT	REQUIREMENT	TEST RESULT	STATUS
Sensory, appearance / soak extract	-	Normal / no abnormal change	Compliant / Compliant	Pass
Lead (Pb)	mg/kg	≤3.0	0.084	Pass
Arsenic (As)	mg/kg	≤1.0	Not detected (DL 0.01)	Pass
Formaldehyde, water 80°C 2 h	mg/dm²	≤1.0	<0.06	Pass
Fluorescent substances, 254 / 365 nm	-	Negative / Negative	Negative / Negative	Pass
Total migration, 10% ethanol 70°C 2 h	mg/dm²	≤10	4.7	Pass
Total migration, 4% acetic acid 70°C 2 h	mg/dm²	≤10	7.9	Pass
Total migration, isooctane 70°C 2 h	mg/dm²	≤10	<1.0	Pass
Heavy metals as Pb, 4% acetic acid 60°C 2 h	mg/kg	≤1	<1	Pass
1,3-Dichloro-2-propanol, water 80°C 2 h	µg/L	Not detected	Not detected (DL 2.0)	Pass
3-Chloro-1,2-propanediol, water 80°C 2 h	µg/L	≤12	Not detected (DL 2.0)	Pass
Coliforms / Salmonella	/50 cm²	Not detected / Not detected	Not detected / Not detected	Pass
Mould	CFU/g	≤50	<10	Pass

Sample-scope limitation: report 2613401444 verifies only the submitted 40 gsm sample. The measured results shall not be represented as guaranteed production specifications for every grade or lot.