

SILICONE RELEASE PAPER

Technical Data Sheet

PRODUCT	GRADE / FINISH
SILICONE RELEASE PAPER	33-41 gsm White External Control Specification

GRADE MATRIX

PARAMETER	33 gsm	34 gsm	35 gsm	37 gsm	38 gsm	39 gsm	41 gsm
Basis Weight (g/m²)	33±1	34±1	35±1	37±1	38±1	39±2	41±1
Caliper (µm)	37±5	38±5	39±5	41±5	42±1	43±3	45±5

COMMON PERFORMANCE REQUIREMENTS

PARAMETER	UNIT	REQUIREMENT
Smoothness - front / back	s	≥80 / ≥30
High-temperature Resistance	°C	220
Moisture	%	6-10
Cobb - front / back	g/m²	≤25 / ≤25
Air Permeability	mL/min	≤10
Burst Strength	kPa	≥100
Release Force	g/25 mm	≤80
Fluorescent Substances	-	Negative

SILICONE RELEASE PAPER CONTINUED

39 GSM GRADE A ADDITIONAL CONTROLS

PARAMETER	UNIT	39 GSM GRADE A
Basis Weight	g/m ²	39±2
Caliper	µm	43±3
Caliper Difference	µm	≤4
Colour	-	White
Burst Strength	kPa	≥150
24 h Room-temperature Release Force	g/inch	≤20
Moisture	%	6±2
Cobb	g/m ²	≤20
Residual Adhesion	%	≥80
Silicone Coat Weight	-	Produced to customer requirement

APPEARANCE AND CONVERTING CONTROLS

CONTROL	REQUIREMENT
Sheet quality	Flat sheet with uniform fibre distribution and consistent thickness; no obvious warping, streaks, holes, cracks or hair.
Colour	Consistent colour; no obvious batch-to-batch difference.
Sensory condition	Normal colour; no abnormal odour, mould or other contamination.
Raw materials and additives	Raw materials must not harm human health; additives for food-packaging paper must comply with the source-stated GB 9685 and other applicable food-additive requirements.
Slitting tolerance	0 to 10 mm relative to the nominal size.

The supplied specifications do not state test methods, heating duration for the 220°C requirement, adhesive and test method for release force, or end-use compliance documentation. Confirm these points before contractual issue.