

PRODUCT DATA SHEET

Latex Free Munising A4 Cleanroom Paper

Description

Guardline Technology is the main European distributor for Kimberly-Clark's Munising LP. The polymer impregnated substrate surrounds and bonds each individual cellulose fibre resulting in a cleanroom paper which has characteristics similar to bond paper. The cellulose fibre core provides true paper characteristics giving problem free writing, printing and photocopying. Munising LP is autoclavable, and benefits from extremely low static build-up and particulate generation (less than half the particles of other leading cleanroom papers). Notebooks, manufactured in our own premises, are available in three sizes and various colours to aid colour coding regimes. Pre-printed forms can also be provided along with custom-made labels.



Features & Benefits

- Munising LP is Latex Free**
- The paper has a high degree of chemical resistance. The maximum loss of strength was 21% after soaking in the following 5% v/v H²SO₄ 2% w/w NaOH, Acetone, Ethanol and water. Tensile test on air-dried sheets.
- Munising LP can be sterilised by gamma irradiation, ETO or steam without seriously impairing the sheet. The particle count remains at the normal, low level. The only concern might be that the level of odour exhibited by the sterile paper. (This type of odour is typical of sterilised synthetic polymers).
- Microbe Testing – The yielded four colony forming units (CFU) according to micro pore filtration methodology and zero CFU according to Rodac plate methodology.
- The paper has a flammability rating of “moderately flammable” Classification 2, according to the National Fire Protection agency (NFPA-702)
- Using tests similar to those methods described in Federal Substances Act, CFR 16, Section 1500.41, it was determined that Munising LP would not be classified as primary skin irritant.
- Tests from NAMSA state that the paper is nancytotoxic (MEM elution with I929 mice fibre blast cells).

Technical Data

Property	Typical Value		
	85gsm		110gsm
Basis Weight, #/1300 ft ²	22.5		30
Calliper, mils	4.6		5.8
Dry Tensile, Kg/15mm	MD	9.0	11.4
	CD	6.0	7.3
Dry Stretch, %	MD	2.9	3.9
	CD	8.5	10.1
Elmendorf Tear, G	MD	60	88
	CD	65	100
Gurley Porosity, sec (8 ply, 100cc)		51	55
Sheffield Smoothness	F	220	250
	W	265	270
Opacity, %		87	89
MIT Fold, Double Folds 1200		1200	
Static Decay			
Residual Charge		0	0
Positive Charge		5000	4750
Seconds		.13	.26
Negative Charge		5000	4750
Seconds		.12	.26
Surface Resistivity Ω ⁻¹		2x10 ¹¹	2x10 ¹¹

Order Codes	
White	77225
Blue	77226
Green	77227
Pink	77228
Yellow	77229