

**POLYPROPYLENE
UNIDIRECTIONAL CELLS
DUAL RELEASE GRAPE GUARD**
23 x 33 cm
5 gr

TECHNICAL SHEET



TRADE MARK PROTEKU



DESCRIPTION

This polypropylene unidirectional cells dual release grape guard is formed by one sheet of Polypropylene (PP) a second sheet with complex paper with Polyethylene (PE) and a third sheet with Kraft white paper. The grape guard is heat-sealed and contains the active ingredient of Sodium Metabisulfite ($\text{Na}_2\text{S}_2\text{O}_5$), which reacts to humidity (over 70%) to create SO_2 (Sulfur Dioxide). The SO_2 inhibits and prevents the development of Botrytis cinerea Pers. in grapes during cold storage and transportation.

THECNICAL SPECS & ERROR MARGIN

Width	230 mm	± 5 mm
Length	330 mm	± 5 mm
Cells	0	-
Área	759 cm ²	-
Sodium metabisulfite content in slow release	4,0 gr	± 0,2 gr
Sodium metabisulfite content in fast release	1,0 gr	± 0,2 gr
Sodium metabisulfite total (both stages)	5,0 gr	± 0,4 gr
Pad Weight	13,9 gr	± 0,5gr
Box Weight	11,9 kg	± 0,5 kg

Note: Different dosages and sizes can be provided as required.

PALLETIZING

Length	1,48 m
Width	1,09 m
Heigth	2,44 m
Quantity	72
Net weighth per pallet	858 kg
Gross weighth per pallet	878 kg

BOX SIZE

Dimensions	47x34x285
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PACKAGING

Units per box	800
Boxes per pallets	72
Units per pallet	57.600
CLIENT CODE	

CONTAINER

Container of 40'	8 pallets
Container of 40' High Cube	16 pallets

RAW MATERIALS

	Units of measure for the granulometry of sodium metabisulfite					
Tyler size	+20	+30	+48	+65	+100	-100
Fast release	0,27	0,58	1,33	5,85	10,9	81,07
Slow release	7,8	35,7	22,2	17,8	8,90	7,6

TYPE SHEETS

	Weight gr	Origin	Grammage	Dimensions	Printing	N° CAS
Polypropylene	2,1	Chile-Peru	28	23x33	SI	EINECS-PM-39090
Polyethylene complex paper	4,1	Spain-Italy	12/30/12	23x33	NO	9002-88-4
Kraft white paper	2,7	Austria-Italy	35	23x33	NO	9003-07-0

PROTEKU INTERNAL CODE

P230

OBSERVATIONS

The Proteku SO_2 sheets must be stored in a cool dry area and avoid contact with sun.

When the packing of grapes is finished every day, the SO_2 sheets should be placed back in the original bag and sealed.

If stored according to instructions the Proteku SO_2 sheets have a shelf life of at least 2 years. After this time the SO_2 sheets must be tested or sent to our Laboratory.

The disposal of our Proteku sheets should be according to official regulations of each country and according to MSDS certificate.