

**BOTTOM PLASTIC  
UNIDIRECTIONAL SLOW  
RELEASE GRAPE GUARD**  
33 x 46 cm  
4 gr

**TECHNICAL SHEET**



**TRADE MARK PROTEKU**



**DESCRIPTION**

This bottom plastic unidirectional slow release grape guard is formed by one sheet of Polypropylene (PP) and a second sheet of simple Polyethylene paper (PE), both of which are laminated using a special adhesive. The grape guard is laminated 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  $\text{SO}_2$  (Sulfur Dioxide). The  $\text{SO}_2$  inhibits and prevents the development of Botrytis cinerea Pers. in grapes during cold storage and transportation.

**THECNICAL SPECS & ERROR MARGIN**

Width	330 mm	± 5 mm
Length	460 mm	± 5 mm
Cells	0	-
Área	1518 $\text{cm}^2$	-
Sodium metabisulfite content in slow release	4,0 gr	± 0,2 gr
Sodium metabisulfite content in fast release	0,0 gr	± 0,2 gr
Sodium metabisulfite total (both stages)	5,5 gr	± 0,4 gr
Pad Weight	18,1 gr	± 0,5gr
Box Weight	13,5 kg	± 0,5 kg

**PALLETIZING**

Length	1,48 m
Width	1,09 m
Heigth	2,26 m
Quantity	90
Net weighth per pallet	1212 kg
Gross weighth per pallet	1232 kg
<b>BOX SIZE</b>	
Dimensions	48x34x20

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

**PACKAGING**

Units per box	700
Boxes per pallets	90
Units per pallet	63.000
<b>CLIENT CODE</b>	

**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	4,3	Chile-Peru	28	33x46	NO	EINECS-PM-39090
Simple Polyethylene Paper	8,3	Chile-Italy	40/15	33x46	NO	9002-88-4
Adhesivo	1,5	Brazil-German	-	-	-	141-78-6

**PROTEKU INTERNAL CODE**

P531

**OBSERVATIONS**

The Proteku  $\text{SO}_2$  sheets must be stored in a cool dry area and avoid contact with sun.

When the packing of grapes is finished every day, the  $\text{SO}_2$  sheets should be placed back in the original bag and sealed.

If stored according to instructions the Proteku  $\text{SO}_2$  sheets have a shelf life of at least 2 years. After this time the  $\text{SO}_2$  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.