



KOPERTURA

COVERING SYSTEMS



VALENTE[®]

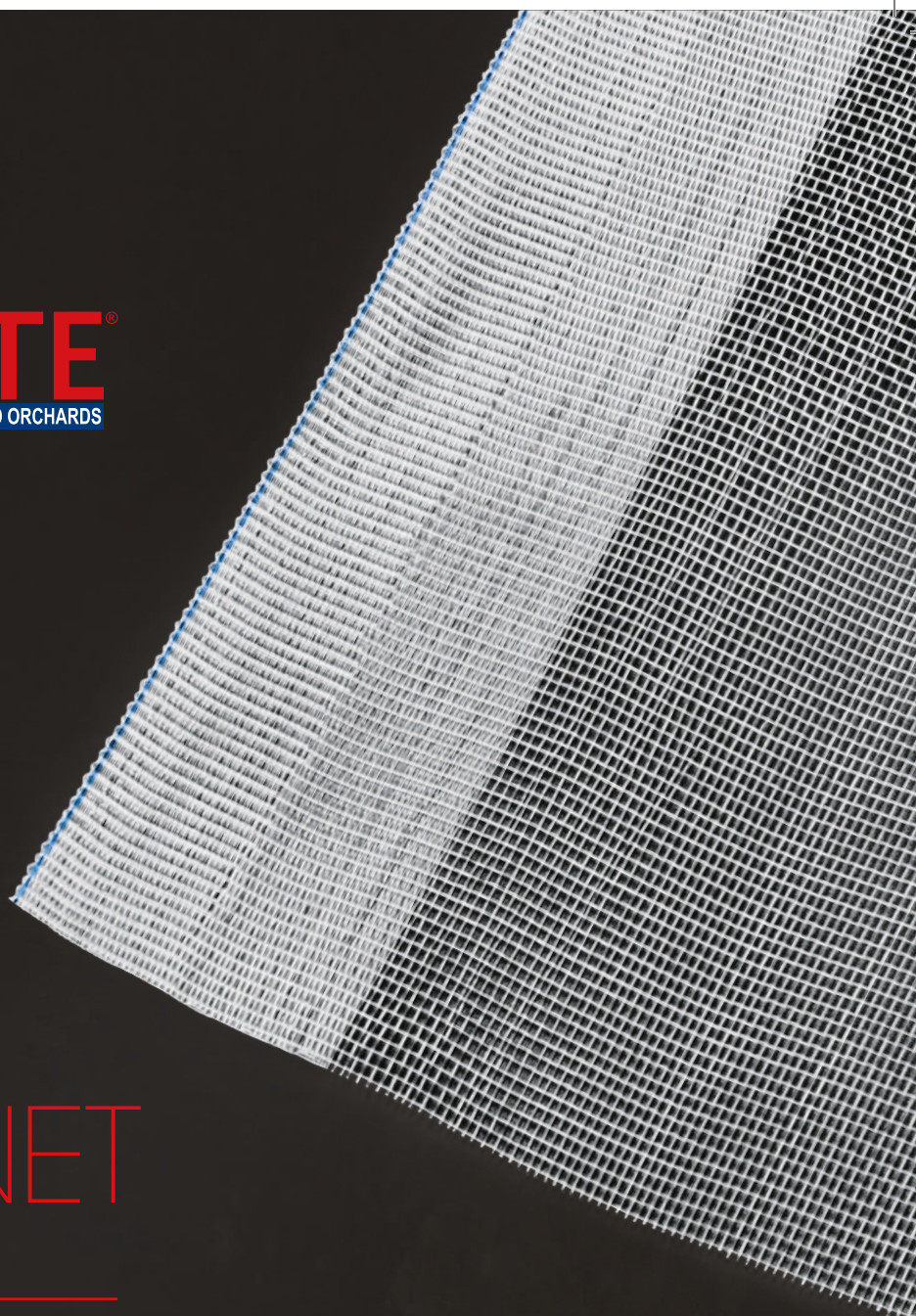
TECHNICAL SOLUTIONS FOR VINEYARDS AND ORCHARDS

ANTI-INSECT NET

Anti-insect net is manufactured **weaving a plastic monofilament** and is used to cover and properly protect crops from damage caused by insects, especially DROSOPHILA SUZUKI, CARPOCAPSA and ASIAN BUG.

The net must be installed on special structures and Net must be installed on special structures and fixed to ensure total closure of the orchard in order to prevent insects entrance.

Material used to make the net is **high-density polyethylene (HDPE)**. Wire used is made by extrusion, melting and passing of raw material through perforated grids (extruders); subsequently it is thermostabilized, that is to say heated to reduce all retractions that plastic material exposed to even modest heat sources normally presents.



ANTI-INSECT NET

Anti-insect net is made manufacturing monofilament with a particular technique called **loom weaving**; mesh obtained with this type of processing has rectangular shape with different size and is non-deformable, meaning **dimensions don't change** when is subjected to hail load.

In order to avoid thermal damage to the nets caused by the high temperatures reached by the material, it is advisable to avoid exposure of the coils to the sun for more than 4 hours.

TECHNICAL SPECIFICATIONS **ANTI-CARPOCAPSA NET**

DIMENSIONAL CHARACTERISTICS

	Unit	Value	Method
Nominal wire diameter	mm	0,29	UNI 9735
Weft wire	cm	3,5	-
Warp wire	cm	3,6	-
Width	mt	6,4	-
Width tolerance on the nominal	%	± 4	Textile method

MONOFILAMENT CHARACTERISTICS

	Unit	Value	Method
Stabilization with Carbon Black (if black)	%/Kg	1%	-
Title (single wire tolerance)	%/den	± 7	UNI 9735
Shrinkage in boiling water	%	≥ 3	UNI 10337

MECHANICAL PROPERTIES

	Unit	Value	Method
Tour		Leno weaving	
Mass	gr/m ²	55 ± 4%	UNI 9401
Title (approximate)	den	530	UNI 9735

TENSIL TEST on individual wire

	Unit	Value	Method
Strenght at break	gr/den	≥ 4,8	UNI 9405
Toughness	Kg	≥ 3,3	UNI 9405
Elongation at break	%	≥ 16/20	UNI 9405

OTHER PROPERTIES

	Unit	Value	Method
Permeability	%	± 84	-
Mesh size	mm	2,4 x 4,5	-



ANTI-CARPOCAPSA NET



ANTI-SUZUKI NET

TECHNICAL SPECIFICATIONS **ANTI-SUZUKI NET**

DIMENSIONAL CHARACTERISTICS

	Unit	Value	Method
Nominal wire diameter	mm	0,28	UNI 9735
Weft wire	cm	8	-
Warp wire	cm	10	-
Width	mt	3	-
Width tolerance on the nominal	%	± 4	Textile method

MONOFILAMENT CHARACTERISTICS

	Unit	Value	Method
Stabilization with Carbon Black (if black)	%/Kg	1%	-
Title (single wire tolerance)	%/den	± 7	UNI 9735
Shrinkage in boiling water	%	≥ 3	UNI 10337

MECHANICAL PROPERTIES

	Unit	Value	Method
Tour			
Mass	gr/m ²	160 ± 4%	UNI 9401
Title (approximate)	den	530	UNI 9735

TENSIL TEST on individual wire

	Unit	Value	Method
Strenght at break	gr/den	≥ 4,8	UNI 9405
Toughness	Kg	≥ 2,8	UNI 9405
Elongation at break	%	≥ 16	UNI 9405

OTHER PROPERTIES

	Unit	Value	Method
Permeability	%	±	-