

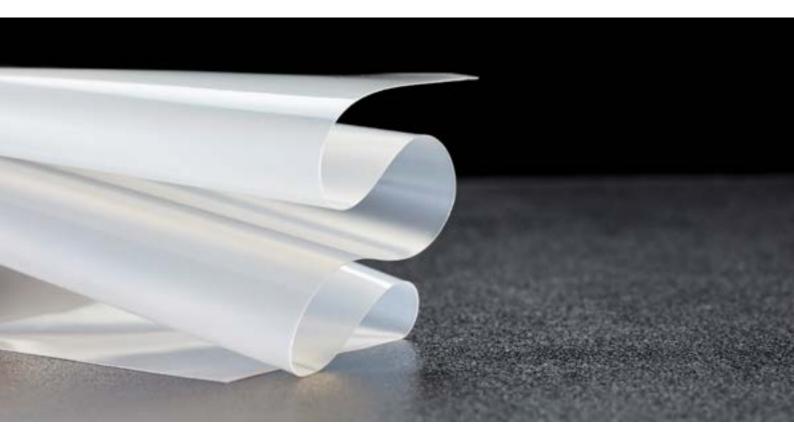






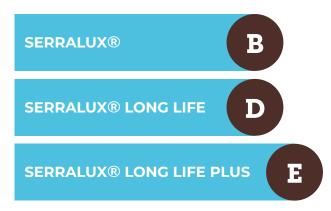


Serralux® is a diffused light thermal film designed for the cover of any type of crop in geographical areas with high solar radiation. The total and diffuse brightness values are kept very high to allow plants to have all the necessary light and at the same time offer an effective screen to attenuate the dangerous excesses of direct light. The IR barrier, enables to retain heat inside the greenhouse during night hours, IR barrier is kept very high to reduce the risks associated with eventual drops of the temperatures during the winter season. Serralux® can be stabilized with Hals or Nickel-Quencher (SHR version). It can be treated with Antigoccia. It can be produced in the UV STOP version particularly appreciated on crops that require a total barrier to UV radiation.



## **Serralux**®

can be produced in three classic versions:







## Thickness µm 200 - Width mt. various

	PROPERTY	UNIT	VALUE	TEST METHOD
DIMENSIONAL PROPERTIES	Nominal thickness tolerance:			
	Average thickness	μm	±5%	ISO 4591
	Point to point thickness	μm	±15%	ISO 4593
	Width tolerance	mm	0% +2%	ISO 4592
MECHANICAL PROPERTIES	Tensile strenght at break MD + TD	N/mm²	≥ 23	EN ISO 527-3
	Elongation at break MD + TD	%	≥ 600	EN ISO 527-3
	Tear resistance (Elmendorf)	N	≥ 25	ISO 6383-2
	Dart drop test - Zone flat	gr	≥ 600	ISO 7765-1 A
	Zone fold	gr	≥ 450	ISO 7765-1 A
THERMAL AND OPTICAL PROPERTIES	Total visible light emission	%	≥ 8 <b>7</b>	EN 2155-5
	Diffused light	%	≥ 54	EN 2155-5
	IR 7,5/12,5 micron (greenhouse effect)	%	≥ 88	EN 13206
OTHER PROPERTIES	Elongation at break after exposition	%	≥ 50%	ISO 4892-2
DURATION	Class of film		D	EN 13206
	Duration (hours)	hours	≥ 6800	ISO 4892-2
	Expected life-time	months	36	area 70-100 kLy
		months	33	area 100-130 kLy
		months	24	area 130-160 kLy

Attention The data are referred to the film tested before the use. The lifetime expected can be negatively affected by an uncorrect cladding operation and/or use of pesticides containing halogen -based compounds and/or heavy metals(as sulphur, chlorine, bromine, copper, zinc, iron, etc). In this respect we advise you to carefully read our instructions for a correct use of LDPE-EVA-LLDPE-POLIAMMIDE films.

Grafica e Stampa www.opsagency.it