

## Our commitments

This commercial sheet has no contractual value. Information and photos we provide do not commit us, except technical specifications in accordance with the NF EN13206 standard.

**Only our F.I.C.C.U. : Information, Tips and Operating Instructions Sheet (products on stock) and/or our specification note (specific products) determines the content and the limits of our commitment concerning the technical characteristics of our products.**

**Our F.I.C.C.U. (Information, Tips and Operating Instructions Sheet ) can be obtained from your supplier.**

You can get this F.I.C.C.U. by writing to the following email address: [agricole@barbiergroup.com](mailto:agricole@barbiergroup.com) or on our website [www.barbiergroup.com](http://www.barbiergroup.com)

## Our recommendations

You should never order or use our film:

- without taking into account our Information, Tips and Operating Instructions Sheet
- without having talked with your supplier about our product and about the specific conditions of your cultivation.

Serving the agricultural sector for over 60 years, the BARBIER Group offers a complete range of films specialized in plasticulture and at the state of art of technology.

The BARBIER Group is today the leading French extruder and one of the main European extruders

The BARBIER Group is working in close collaboration with official institutes (INRA, CEMAGREF, CTIFL, test stations, Chambers of Agriculture...).



LA GUIDE – BP 39  
F 43602 SAINTE – SIGOLENE CEDEX  
PHONE : + 33.(0)4.71.75.11.11  
FAX + 33.(0)4.71.66.15.01  
Email : [barbier@barbiergroup.com](mailto:barbier@barbiergroup.com)  
Website : [www.barbiergroup.com](http://www.barbiergroup.com)

Groupe  
**Barbier**  
Plastic solutions

# OPALIN®

PRO-SR-I Icare  
200µ/800g

DIFFUSING THERMAL FILM EN13206 CLASS F

## Product *advantages*

- ➔ Highly thermal
- ➔ Good light diffusion
- ➔ High light transmission
- ➔ Enhanced resistance to phytosanitary products  
(sulfur and halogenated products)
- ➔ Open to UV



UVA and UVB transmittance



Groupe  
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Plastic solutions

**OPALIN® PRO-SR-I Icare**  
 is a transparent diffusing  
 thermal film with a great  
 durability, open to UVA and  
 UVB.



**Warning :** the use of OPALIN® PRO SR-I Icare is not recommended in low brightness areas or / and on crops that need a lot of light.

### Mechanical Resistance



Thanks to the choices of high quality raw materials and to our 3 and 5 layers manufacturing processes, OPALIN®PRO-SR-I Icare complies with the EN13206 standard requirements.



### Lifespan : 4 years to 130 Kly/year

FilmClass F



### Enhanced pesticide resistance

sulfur and halogenated : 3000 ppm of sulfur and 200 ppm of chlorine



### UV (UVA and UVB) transmittance

Insects are not disoriented, pollination is optimal.  
 The coloration of some plants is enhanced (contact your supplier)



### High light transmission

The film allows more than 90 % of visible light to pass.  
 Yields are increased (better photosynthesis).



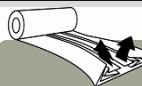
### Diffuse light

Light diffusion prevents large temperature variations and the burns on the leaves



### Very high thermicity

The film keeps the night the heat accumulated during daytime.  
 Earliness is enhanced, the plant is less stressed.

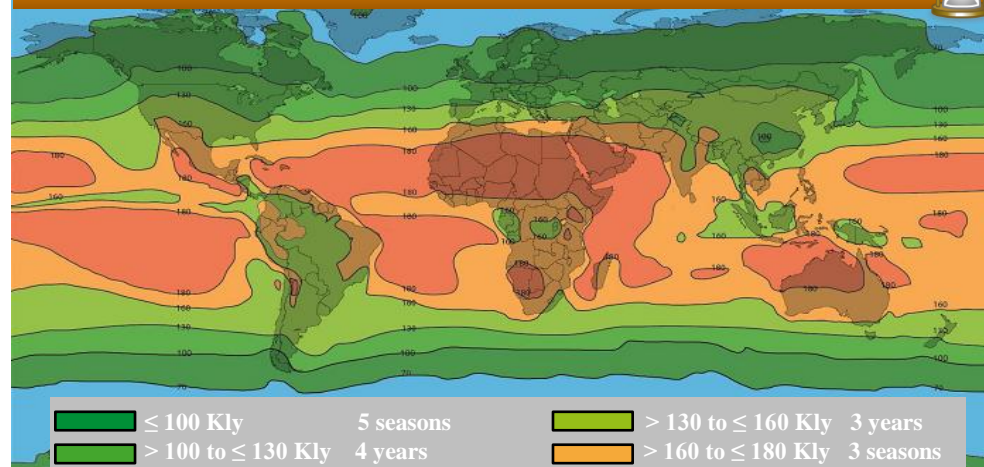


### Easy unfolding for large widths

### Technical Specifications (for a new film)

	<b>OPALIN® PRO SRI Icare</b>	Requirements EN 13206	Test method
<b>Class of film</b>	<b>F</b>		EN13206 (§ 6)
Thickness	<b>200 μ</b>		ISO4591 et ISO4593
Global Light Transmission	<b>&gt; 90%</b>	<b>≥ 80%</b>	ASTDM 1003
Haze	<b>45 - 55%</b>	<b>≥ 35%</b>	ASTDM 1003
Lightness	<b>&gt; 40%</b>		ASTDM 1003
Thermal efficiency (IR)	<b>≥ 85%</b>	<b>≥ 75%</b>	EN 13206 (§ 8.8)

### Expected lifetime depending on the geographic area



For more information concerning our greenhouse films please ask for our INFORMATION, TIPS AND OPERATING INSTRUCTIONS SHEET to your distributor or to the email address: [agricole@barbiergroup.com](mailto:agricole@barbiergroup.com) or on our website [www.barbiergroup.com](http://www.barbiergroup.com).

This map has only an indicative value. To know the exact exposure to solar radiation for your area of use, please consult your local weather station.

### Our foldings and options



1m to 4m



4m to 11m



10m to 16m

We can cut our films on demand.

Individual cuts for covering in the length (tunnel, span, multi-span, canarian).

Bi-rolled cuttings for covering in the transverse direction as for tunnels.

For more information, please contact us.



### Anti-drop effect option available

On demand, OPALIN®SR-I Icare is available in Anti-Drop version.