



Technical Datasheet

SecondSky™ Polyethylene Covers PEA+ High Blocking

Premium quality Polyfilm with 75.3% NIR blocking properties for cooling effect

Product Description

SecondSky™ Polyethylene Covers are an innovative breakthrough in greenhouse technology, featuring an impressive heat blocking capability of up to 80%, coupled with a remarkable 50% increase in PAR light compared to chalking. Their installation and replacement process is identical to that of standard films, with no difference in thermal insulation or durability across all standard thicknesses, quality, and width configurations.

	Attribute	Value	Unit	Notes
Technical Data General Properties	Thickness	200	microns	ISO 4951
	Aspect	Normal		EN 13206
	Tensile Strength at Break			
	MD	24	MPa	EN ISO 527-3
	TD	22	MPa	EN ISO 527-3
	Elongation at Break			
	MD	860	%	EN ISO 527-3
	TD	920	%	EN ISO 527-3
	Tensile Strength at Yield			
	MD	10	MPa	EN ISO 527-3
	TD	10	MPa	EN ISO 527-3
	Creep			
	MD	20	%	EN 13206
	Dart Test F50			
	Side	900	cN	SO 7765-1
Fold	650	cN	SO 7765-1	
Technical Data Optical Properties	Total Transmission of Visible Light	78	%	EN 2155-5
	Diffusion	55	%	EN 2155-9
	Thermic Effect	90	%	EN 13206
	NIR Transmission (850 - 1100nm)	24.7	%	
Technical Data Other Properties	Lifetime(*)	3	years	EN 2155-9
	Additional Properties	Maximum sulphur limit 5000 ppm		

Alternative PE thicknesses, mechanical property/radiation performances available on request

(**) At a climate of 150 Klys/year (for different radiation conditions or different thickness, we should be consulted).