



Technical Datasheet

SecondSky™ Polyethylene Covers PEA+ Low Blocking

Premium quality Polyfilm with 51.8% 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	ISO 7765-1	
	Fold	650	cN	ISO 7765-1	
Technical Data Optical Properties	Total Transmission of Visible Light	83.5	%	EN 2155-5	
	Diffusion	55	%	EN 2155-9	
	Thermic Effect	90	%	EN 13206	
	NIR Transmission (850 - 1100nm)	48.2	%		
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).