



TECHNICAL PRODUCT INFORMATION

Product: Thermal Stabilized film for solarization

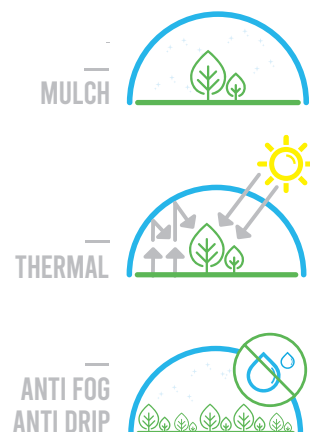
Catalog Number: E1322

Product description: Clear Stabilized film for solarization. The plastic sheets allow the sun's radiant energy to be trapped in the soil and heating the soil. Solarization during the hot summer months can increase soil temperature to levels that kill many diseases and weed seed. Soil solarization also improves soil structure and increases the availability of nitrogen (N) and other essential plant nutrients. Solarization is a simple, safe, and effective method that has been used with field, vegetable, and flower crops. It can be combined with organic soil amendments or reduced rates of pesticide application for greater effectiveness. The plastic sheets should be left in place for 4 to 8 weeks to allow the soil to heat to the greatest depth possible.

The film contains thermic additives to prevent temperature drop at the afternoon and to keep the temperature the highest possible and for longer time.

Thickness: 40-100μ

Property	Test Method	Units	Value
Tensile Strength at break [MD]	ASTM D-882	MPa.	20
Tensile Strength at break [TD]	ASTM D-882	MPa.	20
Elongation at break [MD]	ASTM D-882	%	300
Elongation at break [TD]	ASTM D-882	%	500
Falling Dart Impact	ASTM D-1709	gr.	150
Total light transmission	Internal	%	91
Thermicity	FTIR	%	70%
Thickness average	Israeli Stnd. 821	%	±5 on nominal
Thickness tolerance	Israeli Stnd. 821	%	±15% on each point



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