

TECHNICAL PRODUCT INFORMATION

Product: Diffused thermic UV stabilized film
 Catalog Number: E1571
 Product description: Diffused thermic film. The light diffusion reduces construction and self shadows and allows the plants to receive a more even distribution of light during the day. The film contains IR ingredient to prevent heat "escape" at night, keeping the greenhouse temperature higher than outside air.
 Durability: 3 years Macedonia
 Thickness: 150 μ
 Width: 1.0-14.0 m
 Length: According to customer order

Product properties

Property	Test Method	Units	Value
Tensile Strength at break[MD]	ASTM D-882	MPa.	27
Tensile Strength at break[TD]	ASTM D-882	MPa.	27
Elongation at break [MD]	ASTM D-882	%	500 min
Elongation at break [TD]	ASTM D-882	%	500 min
Tear resistance[MD]	ASTM D-1922	Kg./mm	9.0
Tear resistance[TD]	ASTM D-1922	Kg./mm	10.0
Falling Dart Impact (200 microns)	ASTM D-1709	gr.	1200
Total light transmission	Internal	%	85
Light diffusion	Internal	%	66
Thermicity	Internal (FTIR)	%	80
UV blocking	Internal	%/nm	95/350
Thickness average	Israeli Stnd. 821	%	$\pm 5\%$ on nominal
Thickness tolerance	Israeli Stnd. 821	%	$\pm 15\%$

Remarks: *-Exposure to Sulfur or high amount of chlorine containing substance will reduce the film life time.