

## TECHNICAL PRODUCT INFORMATION

Product:	Diffused UVA+IR film
Catalog Number:	E1594
Product description:	DIFFUSED UV+IR 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 IR additives prevents heat escape at night keeping the temperature inside the greenhouse higher than outside.
Durability:	2 seasons
Thickness:	125 $\mu$
Width:	1.0-14.5 m
Length:	According to customer order

### Product properties

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	%	Min 600
Elongation at break [TD]	ASTM D-882	%	Min 600
Tear resistance[MD]	ASTM D-1922	Kg./mm	8.0
Tear resistance[TD]	ASTM D-1922	Kg./mm	8.0
Falling Dart Impact	ASTM D-1709	gr.	800
Total light transmission	Internal	%	85
Light diffusion	Internal	%	55
Thermicity	Internal (FTIR)	%	80
UV blocking	Internal	%/nm	98/350
Thickness average	Israeli Stnd. 821	%	$\pm 5\%$ on nominal
Thickness tolerance	Israeli Stnd. 821	%	$\pm 15\%$

**Kibbutz Einat P.O.B 3**  
**Einat 49910 Israel**  
**Tel :+972-3-9007525**  
**Fax:+972-3-9007515**

All statements, information and data given herein are believed to be accurate a reliable, but are presented without guaranty, warranty or responsibility any kind, express or limited. Statement or suggestion concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement, and are not recommendation to infringe any patent. The user should not assume that all safety measures are indicated, or that other measures may not be required