



TECHNICAL PRODUCT INFORMATION

Product:	Diffused reinforced thermic film
Catalog Number:	E1846
Product description:	Diffused thermic film. The film is based on a very special polymer for extra high mechanical properties. The film contains diffusers for uniform light distribution in the greenhouses and thermic additives to avoid heat "escape" during the cold nights.
Durability:	3-4 years
Thickness:	150-200 μ
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.	30
Tensile Strength at break[TD]	ASTM D-882	MPa.	30
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	10.0
Tear resistance[TD]	ASTM D-1922	Kg./mm	12.0
Falling Dart Impact*	ASTM D-1709	gr.	1300
Total light transmission	Internal	%	85-87
Light diffusion	Internal	%	70-75
Thermicity	Internal (FTIR)	%	85
Thickness average	Israeli Stnd. 821	%	$\pm 5\%$ on nominal
Thickness tolerance	Israeli Stnd. 821	%	$\pm 15\%$

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