

# DIAMOND / SILVER ECO SHEETING PRODUCT DATA SHEET



## DESCRIPTION

### ECO Reflective Films

A coloured two layer coextruded high performance polyethylene film for use in the horticultural industry. Contains a special U.V stabiliser that ensures the lightfastness of the material occurs slower than conventional films. Coupled with a metalised layer of polyester, laminated to the UV film to increase reflectivity and ensure minimum loss of light. Easy Grow films meet the requirements to be used within the horticultural industry.

## PRODUCT SPECIFICATION

### TYPICAL PROPERTY VALUES

PROPERTY	TYPICAL VALUE	UNITS	TOLERANCE
Density (Av of Formulation)	1.204	g/cm <sup>3</sup>	+/- 0.015
Width	1200	mm	-0 +6 mm
Nominal Thickness	75	mu	+/- 8mu
Spot Thickness	+/- 8%	of average	+/- 10% of average
Yield	+/- 5%	of nominal	+/- 15% of nominal

## PRODUCT INFORMATION

### PHYSICAL / CHEMICAL

PROPERTY	TYPICAL VALUE	UNITS	TEST METHOD	TEST CONDITIONS
Conductivity of Aqueous extract	2	uS/cm	DIN 40634 or VDE0345	1 kHz
Water Absorption (compared to dry state)	0.5	%	DIN 53472 and ASTM D 570	Immersed in water for 4 days at 23°C

### BARRIER

PROPERTY	TYPICAL VALUE	UNITS	TEST METHOD	TEST CONDITIONS
Air	60	cm <sup>3</sup> /m <sup>2</sup> x d x bar	DIN 53380	23°C, 0% R.H.
Oxygen	110	cm <sup>3</sup> /m <sup>2</sup> x d x bar	DIN 53380	23°C, 50% R.H.
Water Vapour	16	g/m <sup>2</sup> x d	DIN 53122	23°C, 85% R.H.
Nitrogen	35	cm <sup>3</sup> /m <sup>2</sup> x d x bar	DIN 53380	23°C, 0% R.H.
Carbon Dioxide	500	cm <sup>3</sup> /m <sup>2</sup> x d x bar	DIN 53380	23°C, 0% R.H.

### THERMAL RESISTANCE VALUES

PROPERTY	TYPICAL VALUE	UNITS	TEST METHOD	TEST CONDITIONS
Emissivity	6% (0.04)	%	BS EN ISO 6946**	10°C mean Temp
Reflectivity	94% (0.96)	%	BS EN ISO 6946**	10°C mean Temp
O.D. (Optical Density)	min 3.2			

\* These QC tests are not routinely carried out during production unless otherwise agreed, but based on historical data

\* These figures are supplied from natural side of film

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Manufacturing Control System complies with ISO9001 : 2000, Hygiene Control System accredited to BRC/IOP

All data stated is accurate to the best of our knowledge, and without liability.