

DURATHERMIC™ CLEAR

UV OPEN FILM

DURATHERMIC™ CLEAR has been specifically formulated for the UK to optimise light transmission, especially photosynthetically active radiation. The thermic properties of the film **reduces heat loss** and contribute to energy savings. The amount of diffusion promotes earlier, better quality crop growth and higher crop yield.

This **180 Micron film** is extremely **resistant** to adverse weather conditions such as wind, hail, and extreme temperature variations. Featuring a new **long-lasting anti-drip & anti-fog additive** – tested to ensure longevity. The improved additive avoids the inconvenient and often difficult installation of co-extruded AC layers.

DURATHERMIC™ CLEAR has a **92% light transmission**, which is the highest available on the market. Particularly popular in the north and westerly regions of the UK where lower light levels naturally occur.

5 season manufacturer's warranty - 10 season life expectancy



TECHNICAL SPECIFICATION	Values	Standard
Tensile Strength at Break (MPa)		
Machine Direction	28	EN ISO 527
Tranverse Direction	27	EN ISO 527
Elongation at break (%)		
Machine Direction	800	EN ISO 527
Tranverse Direction	900	EN ISO 527
Optical Properties		
Total light transmission (400-700nm) (%)	92	EN 2155
Diffusion (400-700nm) (%)	35	EN 2155
Infrared transmission (7-13 μ) (%)	20	EN 13206
Sulfur / Chlorine limits (ppm)	2000/100	
UV warranty (UK) Seasons	5 Years	

The films have been tested on the basis of the ISO 9001:2015 quality system. The mechanical strengths have been tested according to the EN ISO 527 standard, and the visual properties according to the EN 2155 and EN 13206 methods. The UV transmission was measured using a proven internal procedure of the factory.

DURATHERMIC™ DIFFUSED

UV OPEN FILM

DURATHERMIC™ DIFFUSED is a specially formulated, high-diffusion film for **increased production** whilst maintaining quality, uniform growth. The unique film properties also **enhance** the colour, fragrance, and flavour of the crop.

This **durable 180 Micron** advanced thermic film has exceptional mechanical strength. Featuring a new long-lasting **anti-drip & anti-fog additive**, tested to ensure longevity. The improved additive avoids the inconvenient and often difficult installation of co-extruded AC layers.

High diffusion ensures **even light distribution** across your crops whilst reducing internal greenhouse temperature and preventing scorching. This also works to eliminate shading in the structure.

5 season manufacturer's warranty - 10 season life expectancy



TECHNICAL SPECIFICATION	Values	Standard
Tensile Strength at Break (MPa)		
Machine Direction	28	EN ISO 527
Tranverse Direction	27	EN ISO 527
Elongation at break (%)		
Machine Direction	800	EN ISO 527
Tranverse Direction	900	EN ISO 527
Optical Properties		
Total light transmission (400-700nm) (%)	89	EN 2155
Diffusion (400-700nm) (%)	95	EN 2155
Infrared transmission (7-13 μ) (%)	15	EN 13206
Sulfur / Chlorine limits (ppm)	2000/100	
UV warranty (UK) Seasons	5 Years	

The films have been tested on the basis of the ISO 9001:2015 quality system. The mechanical strengths have been tested according to the EN ISO 527 standard, and the visual properties according to the EN 2155 and EN 13206 methods. The UV transmission was measured using a proven internal procedure of the factory.