



4 YEAR/ 6 MIL/ IRAD GREENHOUSE FILM

TECHNICAL SPECIFICATIONS PRODUCT DATA SHEET

EVA based UVA+IR+AF/AD multi-layer diffused film. Light diffusion reduces shadows and provides plants more evenly distributed light during the day. This film contains UV stabilizers with improved chemical resistance and anti-fog /anti-drip additives to prevent water dripping and light transmission reduction. The IR ingredient prevents heat loss at night.

PROPERTY		TEST METHOD	UNITS	TEST RESULT
Tensile Strength at break[MD]		ASTM D -882	MPa.	25
Tensile Strength at break[TD]		ASTM D-882	MPa.	25
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	8.5
Tear resistance[TD]		ASTM D -1922	Kg./mm	10.0
Falling Dart Impact		ASTM D-1709	gr.	1000
Total light transmission (400-700 nm)		EN 2155	%	88
Light diffusion (400-700 nm)		EN 2155	%	55
Thermicity		EN 13206	%	85
Thickness average		EN 13206		±5% on nominal
Thickness tolerance		EN 13206		±15%
UV Resistance:	3 yrs at 160-180 Kly 4 yrs at 120 KLy	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.		
Thickness	150-200 μ			
Width	1.0-14.5 m			
Anti-fog/anti-Drip	36 months			

USE AND LIMITATIONS: Limit use of pesticides, herbicides, fungicides and fertilizers. Avoid direct contact with film. Ensure metal structures are galvanized and free from corrosion. Avoid contact with wood treated with resin, oil, petroleum or volatile preservatives as well as PVC accessories. Chemicals containing halogens, sulfur, copper, iron, accelerate film degradation. If the following elements are found at levels higher than specified film is excluded from warranty: *Sulfur: max 100 ppm, Chlorine: 15 ppm, Iron: 50 ppm*. Overheating film has adverse effects on its lifespan. Direct heat away from film. Anti-fog/anti-condense additive performance is limited to normal conditions. Extreme weather inside or outside the greenhouse can effect performance. For best additive performance, avoid high humidity, wet film surfaces, the use of heaters when wet, and insufficient arch slope. AD/AF performance can be effected by crossbars between arches contacting the film or blocking the travel of the condensation to the lower part of the arch.