



Agricultural & Horticultural Films

Greenhouse Plastic

Standard Product Specifications & Packing Mode

One-Season Standard	1-Season (9 months)	Clear Thermal Anti-Fog	3-Season (33 months)
Film Thickness	80-120 microns 300 - 500 gauge 3 - 5 mil	150-180 microns 600 - 700 gauge 6 - 7 mil	180-200 microns 700 - 800 gauge 7 - 8 mil
Film Width	Up to 14 m Up to 46 ft	Up to 14 m Up to 46 ft	Up to 14 m Up to 46 ft
Film Length	Per client requirements		
Film Color	Clear, white or yellow-green		
Roll Width	Per client requirements		
Packing Mode	Single rolls protected by PE wrapping Inner core diameter: 7.6 cm or 3 in 15.2 cm or 6 in		

Mechanical & Optical Properties

One-Season Standard	Clear Thermal	Clear Thermal Anti-Fog	Clear Thermal Disease Control	Yellow Green Regular	Clear Regular	
Optical Properties						
Light Transmission (%)	> 89	> 89	> 89	> 88	> 89	ASTM D 1003
Thermicity Effect (%)	> 75	> 75	> 75	-	-	
Visible Light Dispersion (%)	> 35	> 35	> 35	-	-	ASTM D 1003
Mechanical Properties						
Tensile Strength (N/cm²)	Machine (MD)	> 2,400	> 2,400	> 2,400	> 2,300	ASTM D 638
	Trans (TD)	> 2,400	> 2,400	> 2,400	> 2,300	
Elongation (%)	Machine (MD)	> 550	> 550	> 550	> 450	> 450
	Trans (TD)	> 650	> 650	> 650	> 550	> 550

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Mechanical & Optical Properties

Two-Season Standard		Clear Thermal	Clear Thermal Anti-Fog	Clear Thermal Disease Control	Yellow Green Regular	
Optical Properties						
Light Transmission (%)		> 89	> 89	> 89	> 87	ASTM D 1003
Thermicity Effect (%)		> 75	> 75	> 75	-	
Visible Light Dispersion (%)		> 35	> 35	> 35	-	ASTM D 1003
Mechanical Properties						
Tensile Strength (N/cm²)	Machine (MD)	> 2,400	> 2,400	> 2,400	> 2,300	ASTM D 638
	Trans (TD)	> 2,400	> 2,400	> 2,400	> 2,300	
Elongation (%)	Machine (MD)	> 550	> 550	> 550	> 550	
	Trans (TD)	> 650	> 650	> 650	> 600	

Three-Season Standard		Clear Thermal	Clear Thermal Anti-Fog	Clear Thermal Disease Control	Milky White	Yellow Green Regular	Thermal Air Bubble	
Optical Properties								
Light Transmission (%)		> 89	> 89	> 89	< 15	> 85	> 87	ASTM D 1003
Thermicity Effect (%)		> 75	> 75	> 75	-	-	> 75	
Visible Light Dispersion (%)		> 35	> 35	> 35	-	-	> 65	ASTM D 1003
Mechanical Properties								
Tensile Strength (N/cm²)	Machine (MD)	> 2,400	> 2,400	> 2,400	> 2,400	> 2,200	> 2,100	ASTM D 638
	Trans (TD)	> 2,400	> 2,400	> 2,400	> 2,400	> 2,200	> 2,100	
Elongation (%)	Machine (MD)	> 550	> 550	> 550	> 650	> 500	> 550	
	Trans (TD)	> 650	> 650	> 650	> 750	> 600	> 600	

Request customized specifications for Greenhouse Plastic!