

## Agricultural & Horticultural Films

### Greenhouse Covers

#### Standard Product Specifications & Packing Mode

One-Season Standard	1-Season (9 months)	Clear Thermal Anti-Fog	3-Season (33 months)
<b>Film Thickness</b>	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
<b>Film Width</b>	Up to 14 m Up to 46 ft	Up to 14 m Up to 46 ft	Up to 14 m Up to 46 ft
<b>Film Length</b>	Per client requirements		
<b>Film Color</b>	Clear, white or yellow-green		
<b>Roll Width</b>	Per client requirements		
<b>Packing Mode</b>	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		
<b>Optical Properties</b>							
<b>Light Transmission (%)</b>	> 89	> 89	> 89	> 88	> 89	ASTM D 1003	
<b>Thermicity Effect (%)</b>	> 75	> 75	> 75	-	-		
<b>Visible Light Dispersion (%)</b>	> 35	> 35	> 35	-	-	ASTM D 1003	
<b>Mechanical Properties</b>							
<b>Tensile Strength (N/cm<sup>2</sup>)</b>	Machine (MD)	> 2,400	> 2,400	> 2,400	> 2,300	> 2,300	ASTM D 638
	Trans	> 2,400	> 2,400	> 2,400	> 2,300	> 2,300	

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	(TD)						
<b>Elongation (%)</b>	Machine (MD)	> 550	> 550	> 550	> 450	> 450	ASTM D 638
	Trans (TD)	> 650	> 650	> 650	> 550	> 550	

<b>Two-Season Standard</b>		<b>Clear Thermal</b>	<b>Clear Thermal Anti-Fog</b>	<b>Clear Thermal Disease Control</b>	<b>Yellow Green Regular</b>	
<b>Optical Properties</b>						
<b>Light Transmission (%)</b>		> 89	> 89	> 89	> 87	ASTM D 1003
<b>Thermicity Effect (%)</b>		> 75	> 75	> 75	-	
<b>Visible Light Dispersion (%)</b>		> 35	> 35	> 35	-	ASTM D 1003
<b>Mechanical Properties</b>						
<b>Tensile Strength (N/cm<sup>2</sup>)</b>	Machine (MD)	> 2,400	> 2,400	> 2,400	> 2,300	ASTM D 638
	Trans (TD)	> 2,400	> 2,400	> 2,400	> 2,300	
<b>Elongation (%)</b>	Machine (MD)	> 550	> 550	> 550	> 500	ASTM D 638
	Trans (TD)	> 650	> 650	> 650	> 600	

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

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	Trans (TD)	> 650	> 650	> 650	> 750	> 600	> 600	
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**Request customized PE Films & supply specifications!**

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