



**Dr. HANS WERNER®
CHEMIKALIEN**

'Solar Encapsulates EVA, POE, EPE Films'

Dr. HANS WERNER CHEMIKALIEN® EVA (Ethylene Vinyl Acetate) INTERLAYER FILM For Glass Lamination

ETG 306

PRODUCT SPECIFICATION



High Tensile Strength



Ultra Clear Transparency



Outstanding Adhesion



UV Protection



High Cross-linking Degree



Moisture Resistant (Open Edges)



info@dr-hwc.com

www.dr-hwc.com

Technical Specification (Dr. HWC-ETG306 - EVA Film Interlayer for Glass Lamination)

Properties	Unit	Test Method	Value
			ETG306
Total Thickness (Tolerance: $\pm 0.05\%$)	mm	DR. HWC method	0.40 ~ 0.90
Total Width	mm	Scale	Custom
VA Content	%	DR. HWC method	28
Thermal Shrinkage (MD)	%	On Glass (3 min, 125 °C)	≤ 3
Thermal Shrinkage (TD)	%	On Glass (3 min, 125 °C)	≤ 1
Water Vapor Transmission	g/m ² /24h	ASTM F1249	≤ 5
UV Resistance (300 kWh/m ²)	ΔYI	ASTM G154	≤ 4
Humidity and Heat Resistance	ΔYI	ASTM E313	≤ 2
Thermal Conductivity	W/(m.K)	ISO 2207-4	0.27
Shore Hardness	Shore A	ASTM D 2240	70 $\pm$ 5
Melting Point	°C	ASTM D3417	70 $\pm$ 2
Degree of cross-linking (Gel Content)	%	Soxhlet Method Lamination (10 min, 145°C)	≥ 80
Adhesion to Glass	N/cm	ASTM D 903	≥ 100
Ultimate Elongation (Cured)	%	ASTM D 638	≥ 600
Tensile Strength (Cured)	MPa	ASTM D 638	≥ 10
Optical Transmittance (380nm-1100nm)	%	ASTM E424	≥ 92
UV Cut-off Wave Length	nm	DR. HWC method	340-360
Dielectric Strength	kV/mm	ASTM D 149	≥ 25
Refractive Index	-	ISO 489	1.48
Water Absorption (Cured)	%	ISO 62-200805	≤ 0.1