Glass Silicone Anti-reflection Coating

Quality Standards (Enterprise Standards)

Test Items	Parameters	Testing Method
Physical Appearance	Whitish Liquid	Visual
Specific Gravity (Gravitometer/25°C)	0.81～0.85	Gravitometer, below 25°C
Viscosity （100rpm/25°C)	<10cp	Rotational viscometer below 25°C
Solids Level（180°C/30min）	3.80～4.20%	Heat at 180°C, 30min
Physical Appearance	Violetish Clear	Visual
Film Thickness (FILMERTICS)	100～120nm	Film thickness Meter Filmetrics-F10-HC
Light Transmission (400nm ～ 1000nm）Average	≥96%	Light Transmission Tester
Adhesion (Hundred Grid)	0 Level	Hundred Grid Method, refer ASTMD3359

Product Description:

Glass organic silicone anti-reflective coating is primarily used to enhance the light transmittance and surface cleanliness of photovoltaic glass, thereby increasing the power generation efficiency of photovoltaic modules. The coating layer is relatively dense with small gaps, making it less prone to fingerprints. The adhesion between the coating layer and the glass is strong, and they form a tight bond after being tempered, resulting in a seamless interface. With the increasing demand for photovoltaic power generation, the power generation efficiency of photovoltaic modules is a key competitive factor. This product is widely applied in photovoltaic module products to enhance their competitiveness.