



1. Physical Performance Indicators

Properties	Typical Values	Test Methods
Glossiness (60°)	≥90	GB 8807
Weight (finished product)	355~395 (g/m2)	GB/T 4669
Weight (glue)	25~30 (g/m2)	
Thickness (protective film)	45~55 (um)	GB/T 7125
Thickness (TPU & HC)	160~190 (um)	
Thickness (Adeshive)	30~40 (um)	
Thickness (PET release film)	75~85 (um)	
Elongation at break (HC coating/MD)	≥60	GB/T 1040.1
Dimensional stability (MD)	≤0.5 (mm)	FTM 14
Dimensional stability (CD)	≤0.4 (mm)	
Initial adhesion	≥8 (N/25mm)	FTM 9
24h, 180° peel strength	≥12 (N/25mm)	GB/T 2792
Finished product release force	≤0.3 (N/25mm)	
Storage aging peel strength	≥10 (N/25mm)	
Application aging peel strength	≥16 (N/25mm)	

Note: The above data are laboratory test result

2. Characteristics

Properties	Typical Values	Test Methods
Scratch repair ability	Heat repairable	(0.1mm) Copper Brush & Heat Gun
Water angle	$\geq 103^\circ$	
Acid and alkali resistance	No visually visible coating disadvantages	Experimental
Stain Resistant	No visible water spot deposition	Rainfall
Yellowing E	≤ 2	QUV

3. Storage Conditions

Temperature	15~25 (°C)
Humidity	45~50

Note:

1. All paint protection film products must be stored in the original packaging and the protective materials of the raw materials must be used;
2. It is recommended to use sealed storage and vertical storage as the best storage solution to avoid direct sunlight and direct contact with heat sources;
3. The silicone protective film layer must be removed from the remaining parts after the packaging is removed, and the surface must be protected from adverse changes such as arching and fogging during storage;
4. Strict implementation of storage temperature and humidity control requirements is a necessary guarantee for maintaining product performance and can effectively prevent the external environment from damaging product performance.

4. Weather Resistance and Warranty Period

Outdoor Weathering Period	7 years
Warranty Coverage	Base material cracking, coating peeling, adhesive layer bubbling

Note:

1. The weather resistance of all paint protection film products must meet the specified storage conditions and standard construction procedures;
2. All items within the warranty range of paint protection film products must strictly comply with product use and maintenance specifications. For detailed instructions, please refer to the identification card provided with the product packaging and the corresponding official statement.