

# TECHNICAL DATA SHEET

**PRODUCT - SAPPHIRE CLEAR PPF**
**MAY 2025**

## Product Description

Crafted to deliver advanced protection against scratches, chips, stains, and UV damage, this film offers increased durability and clarity suited for everyday driving conditions. It's an excellent choice for personal vehicles, commercial fleets, and specialized automotive applications.

Warranty: 7 Years

## Physical Properties

Material	Polyurethane
Color	Transparent
Thickness (film only)	150um
Thickness (film + adhesive)	185+/-10um
Gloss	99/101/101 20°/60°/85°
Peel Force	1222 gf/in(20min) / 1551 gf/in (24hr)
Adhesion on OEM Paint	13-16 N/in (5-6 N/cm)
Elongation at break	400%
Tensile Strength	31 MPa
Liner Type	PET
Application Method	Wet
Coating Type	Hydrophobic
Application Temp Range	13°C - 32°C
Ideal Working Temp	17°C - 22°C

- Use only non-abrasive, pH-neutral (6–8), and solvent-free cleaning solutions.
- The film is heat-removable, allowing for easy repositioning or replacement.
- Shelf life is up to 24 months with CAP and 12 months without CAP from the shipment date.
- Store in original packaging at +15°C to +25°C, with maximum 50% humidity, and keep out of direct sunlight.
- Ensure the film is acclimated to room temperature before applying.