



ASHIELD PROFESSIONAL DOCUMENT

S-FLEX Clear PPF Spec Sheet

Stretch-focused clear PPF for complex bumpers, mirrors, tight curves, and installers who need smoother handling on difficult panels.

CLEAR PPF SPECIFICATION

Sales & Support: info@ashieldfilm.com

Product positioning

Stretch-focused clear PPF for complex bumpers, mirrors, tight curves, and installers who need smoother handling on difficult panels.

Product page: ashieldfilm.com/products/s-flex-clear-ppf-easy-installation

Recommended use

Category	Detail
Best for	Complex panels, difficult curves, mirror caps, bumpers, and labor-sensitive jobs.
Key performance	High stretch and clean fitment behavior for challenging installs.
Install feel	Balanced handling with installer-focused flexibility.
Shop package	Labor saver
Warranty period	10 years

Film construction

Construction	Reported value
Total film thickness - standard	203 micron (8 mil)
Topcoat - standard	13 micron (0.5 mil)
Base TPU film - standard	152 micron (6 mil)
Adhesive - standard	38 micron (1.5 mil)

Shared PPF performance characteristics

Category	Result / Method noted
UV aging	No detrimental effect / ASTM
Xenon arc aging	No detrimental effect / SAE J
Ozone aging	90% gloss retention / SAE J
Temperature aging	No detrimental effect / ISO
Acid resistance	No detrimental effect
Alkali resistance	Test passed with oxalate for 72 hours
Oil resistance	No detrimental effect / immerse for 30 minutes
Peel adhesion	2 N/cm during installation; 8 N/cm 24 hours after installation

Storage and handling

Store film at 60-86 F (16-30 C) and 44%-55% relative humidity. Keep film in appropriate packaging before use.

Install in a clean environment with clean hands, clean tools, and controlled temperature to reduce adhesive-side contamination.

Document note

This specification sheet is intended for product comparison and customer communication. Final product selection should consider vehicle condition, substrate, installation environment, installer method, and customer use case.