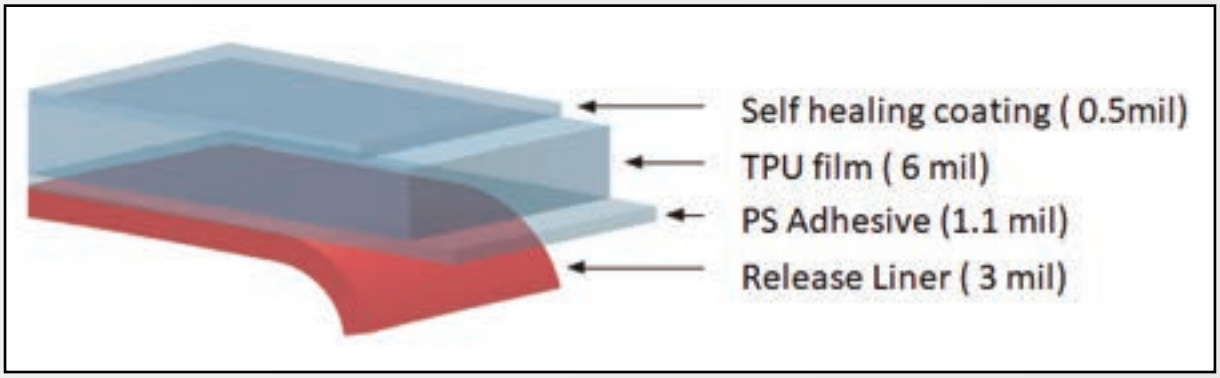
GLOBAL HI-TECH FILMS

Technical Data Sheet

GLOBAL MATTE PPF

Global Matte PPF is a specially formulated paint protection film consisting of high performance pressure sensitive adhesive, clear TPU film and unique self-healing coating to protect automotive paint surfaces from harmful effects of stone chips and abrasion.

Product Construction:



Nominal Thickness (TPU + PSA + SH Caoting): 190 + 10%

Excellent optical clarity

Excellent stain resistance

Hydrophobic property

Non-yellowing

Excellent chemical resistance

Easy for installation on curved surfaces

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Performance Properties:

Sr. No.	Properties	Testing Standards	Measurement Unit	Typical Value
	Mechanical Properties			
1	Peel Strength: 20 min @ 24˚C	FTM 01	kg/in	>0.8 kg/ inch
2	Peel Strength: 72 hrs @ 24˚C	FTM 01	kg/in	>1.2 kg/ inch
3	Gloss at 60˚	ASTM D-2457	GU	20 to 30
4	Tensile Strength	ASTM D-882	Mpa	>15
5	Elongation at break	ASTM D-882	%	>250
	Ageing Performance			
6	Heat ageing 80˚C/ 24 Hrs	Internal	–	Pass- No Detrimental Effect
7	Water immersion 40˚C/ 24 Hrs	Internal	–	Pass- No Detrimental Effect
	Stain Resistance			
8	Water and soap resistance Drop test fro 10 min	Internal	–	Pass- No Detrimental Effect
9	Battery acid Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
10	Diesel Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
11	SAE Motor oil Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
12	Hydraulic oil Drop test for 10 min	Internal	–	Pass- No Detrimental Effect

Application Conditions:

Recommended vehicles surface and ambient air temperature should be between 20˚C to 30˚C. Application should be done in dust free area and away from direct sunlight.

Storage Conditions:

Recommended to store rolls in their original packaging with temperature ranging from 18˚C to 26˚C and Relative Humidity 50 to 60%.

Notes:
The values listed here are in typical values. They are intended only as a source of information. Prior to application, the user must determine the suitability of the product for its intended use and assumes all risks and liability. Refer PPF application manual for more details.

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