Colour PPF · TPU colour change film

Pigmented thermoplastic polyurethane film that changes the colour of a vehicle while protecting the paint underneath.

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COLOURS AVAILABLE	COLLECTIONS	SUBSTRATE	SUPPLY
600+	4	Aliphatic TPU	ODM / private label

1 · WHAT THE RANGE IS

Colour film does two jobs at once: it changes the finish of the car and it protects the paint below it. Unlike a vinyl wrap, the substrate is thermoplastic polyurethane rather than PVC, so the film keeps the elastic recovery and stone-chip resistance of a protection film while carrying pigment and a clear top coat.

The range is organised into four collections. Colour is produced in batches, so the practical question for a distributor is never "which colour" but "which batch standard" — we recommend locking a physical standard before a range launches.

2 · COLLECTIONS

COLLECTION	FINISH	POSITIONED FOR
PPF Gloss Series	High-gloss, paint-like reflection	Colour change that reads as paint
PPF Matte Series	Satin to flat	OEM-style matte finishes and contrast roofs
PPF Liquid Series	Deep, wet-look gloss	Premium and show-car work
PPF Carbon Fibre Series	Woven carbon effect	Accents, roofs, trim and interior pieces

Finish descriptions are range positioning, not measured gloss values. Request the physical colour card for the collection you intend to stock.

3 · BASE MATERIAL · TYPICAL RESIN VALUES

PROPERTY	TEST STANDARD / CONDITION	UNIT	TYPICAL VALUE
Shore A hardness	ISO 868	Shore A	90
Density	ISO 1183-1	kg/m³	1124
Ultimate tensile strength	DIN 53504, 200 mm/min	MPa	38.6
Elongation at break	DIN 53504, 200 mm/min	%	522

PROPERTY	TEST STANDARD / CONDITION	UNIT	TYPICAL VALUE
Tensile stress at 100 % strain	DIN 53504, 200 mm/min	MPa	5.8
Tensile stress at 300 % strain	DIN 53504, 200 mm/min	MPa	13.8
Abrasion volume loss	ISO 4649, method B	mm^3	100
Tear propagation resistance	ISO 34-1, 500 mm/min	kN/m	120

Source: DESMOPAN DP.88395AU DPS300, ISO datasheet, edition 23.04.2019. Typical material values at 23 °C, not finished-film measurements or guaranteed specifications. Test methods and conditions differ between suppliers, so these values cannot be used to rank product quality across brands. The supplied datasheet is marked preliminary and does not include finished-film peel force.

4 · SUPPLY AND PROGRAMME

- Rolls for installation, plus pre-cut kits for high-volume body panels.
- Colour card and sample rolls before a range is committed.
- Batch standard locked and recorded; repeat orders matched against it.
- Private-label cores, cartons, colour cards and a digital colour configurator available under ODM programmes — see the Color Orbit tool on qingweippf.com.

5 · LIMITATIONS

Colour appearance depends on lighting, substrate colour and viewing angle; judge a batch on a physical sample, never on a screen. Film requires a trained installer. Warranty terms, weathering data and test reports for a specific collection are issued with the quotation for the confirmed model.

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Values are typical and indicative.
Confirm the specification for your order in writing.
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