CORE-COLOUR

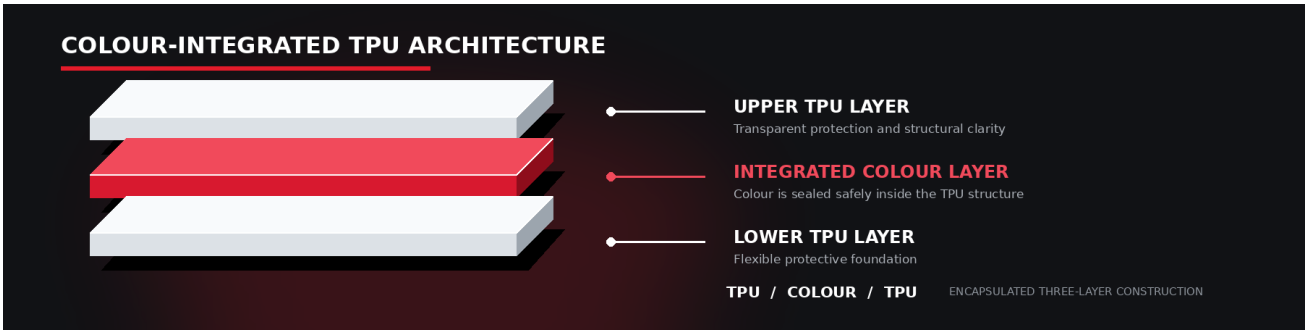
COLOUR-MODIFIED TPU PAINT PROTECTION FILM

PRODUCT CODE CC-75 / NOMINAL 7.5 MIL / COLOUR FINISH

Core-Colour is a premium colour-modified BASF TPU paint protection film engineered to combine automotive colour transformation with paint protection. Its clear-colour-clear TPU structure, hard-coat surface and pressure-sensitive adhesive system are designed for professional vehicle restyling and protective application.

7.5 MIL	>=90 GU	>=60%	6 YEARS
NOMINAL THICKNESS	GLOSS @ 60 DEG	ELONGATION AT BREAK	LIMITED WARRANTY*

PRODUCT CONSTRUCTION



PRODUCT SPECIFICATIONS

PARAMETER	SPECIFICATION
Product type	Colour-modified TPU paint protection film
Application	Automotive colour change and paint-surface protection
Nominal thickness	7.5 mil
Base material	BASF TPU with clear-colour-clear construction
Surface layer	Hard coating / HC coating
Adhesive	Ashland AROSET™ 951059 polyacrylate pressure-sensitive adhesive
Finish options	Colour finish; gloss, matte or satin variants as specified
Self-healing	Heat-assisted surface recovery
Roll dimensions	1.52 m x 15 m
Sentrix limited warranty	6 years*

MATERIAL AND SURFACE SPECIFICATIONS

PROPERTY	TEST METHOD	REQUIREMENT	RESULT
Surface gloss	GB 8807	>=90 GU @ 60°	Specified
Finished-film basis weight	GB/T 4669	355-395 g/m²	Specified
Adhesive basis weight	GB/T 4669	25-30 g/m²	Specified
Protective-film thickness	GB/T 7125	45-55 µm	Specified
TPU + HC layer thickness	GB/T 7125	140-205 µm	Specified
PET release-liner thickness	GB/T 7125	75-85 µm	Specified

TECHNICAL PERFORMANCE STANDARDS

PHYSICAL, ADHESION AND APPEARANCE REQUIREMENTS

Technical specification reference: TPU Color Change Wrap Film

PHYSICAL PERFORMANCE STANDARDS

PROPERTY	TEST METHOD	REQUIREMENT	RESULT
Elongation at break - MD	GB/T 1040.1	>=60%	Specified
Dimensional stability - MD	FTM 14	<=0.5 mm	Specified
Dimensional stability - CD	FTM 14	<=0.4 mm	Specified
Initial tack	FTM 9	>=8 N/25 mm	Specified

ADHESION PERFORMANCE STANDARDS

PROPERTY	TEST CONDITION	REQUIREMENT	RESULT
Finished peel force	GB/T 2792	<=0.3 N/25 mm	Specified
24 h, 180° peel strength	GB/T 2792	>=12 N/25 mm	Specified
Peel after storage ageing	GB/T 2792	>=10 N/25 mm	Specified
Peel after application ageing	GB/T 2792	>=16 N/25 mm	Specified

APPEARANCE QUALITY STANDARDS

PROPERTY	METHOD	ACCEPTANCE CRITERIA	RESULT
Air bubbles between layers	Visual inspection	Not visible to the naked eye	Required
Stains between layers	Visual inspection	Not visible to the naked eye	Required
Crystal / particle defects	Visual inspection	0.1-0.6 mm: <20; 0.7-2.9 mm: max 1; >=3.0 mm: none	Required
Coating-layer scratches	Visual inspection	Not visible to the naked eye	Required
Adhesive-layer stripes	Visual inspection	Not visible to the naked eye	Required

Application: Professional automotive installation only. Confirm substrate condition, paint compatibility, selected colour and finish before application. Use approved installation and edge-finishing practices.
Inspection: Remove the silicone protective film and inspect the sample under natural ambient light. Assess particle defects within a 12.7 cm x 12.7 cm test area at the most concentrated location.
*Warranty: Six-year Sentrix limited warranty, subject to registration, approved installation, care requirements, exclusions and the prevailing Sentrix warranty policy.