SHANGHAI TECHLON CO., LTD. — B2B Wholesale & OEM/ODM Specification Catalog (2026)

100% Aliphatic TPU Paint Protection Film (PPF) & Automotive Window Tint | 160 Standard SKU Models (6.5 / 7.5 / 8.5 / 10 mil) | Export HS Code: 3920109090 | Priority Ports: Shanghai & Ningbo | Contact: maggie.chen@foresmate.com

1. Four Aliphatic TPU Resin Tiers & Graded B2B Warranty (Lubrizol > BASF > Covestro > Wanhua)

Resin Code & Brand	Warranty Term	Yellowing (2000h / 2500h)	Elongation TD (6.5–10 mil)	Topcoat Options	Adhesive System	Target B2B Positioning
Code 1: Lubrizol (USA)	10 Years	1.2–1.8 / 1.6–2.2	300%–420%	Cashew Hydrophobic / Hydrophilic	Ashland (Bostik) / Henkel PSA	Flagship Private Label & Luxury Studios
Code 2: BASF (Germany)	7–8 Years	1.5–2.1 / 1.9–2.6	270%–390%	Cashew Hydrophobic / Hydrophilic	Ashland (Bostik) / Henkel PSA	Pro Dealer Series & Regional Distributors
Code 3: Covestro (Germany)	7 Years	1.7–2.3 / 2.1–2.8	260%–380%	Hydrophobic / Hydrophilic	Ashland / Henkel / Domestic PSA	Mid-Tier Commercial Wholesale Volume
Code 4: Wanhua (Aliphatic)	5–6 Years	2.0–2.8 / 2.5–3.4	240%–360%	Hydrophobic / Hydrophilic	Ashland / Henkel / Domestic PSA	Entry Aliphatic TPU (Superior to TPH)

2. Wholesale Roll Specifications, Production Lead Times & OEM Rules

Parameter	Standard Wholesale Specification	Stocked Lead Time / Custom OEM / MOQ
Thickness Lineup (±0.3 mil)	7.5 mil & 8.5 mil Mainstream (Common Clear sizes kept in stock)	Full range: 6.5 / 7.5 / 8.5 / 10 mil (±0.3 mil production tolerance)
Production & Stock Lead Time	Stocked 7.5 / 8.5 mil Clear PPF (common roll sizes, small batch): Around 3 days	Orders under 60 rolls: 5 – 7 days | Wholesale 60+ rolls: 7 – 10 days
Roll Dimensions & MOQ	1.52m × 15m (Standard, 12–14 kg) / 1.83m × 15m (Max Width)	1.52m × 30m Jumbo Roll (MOQ 60 rolls, ~23 kg, ~1.7 kg core); narrow slitting from 1.52m master
Surface Finishes	Clear Gloss, Matte / Satin, Gloss Black, Matte Black	T01 & T02 Colored TPU PPF (Pure, Sparkle, Iridescent, Liquid Metal, Matte, Chameleon)
Packaging & Liner Logo	Neutral White Unbranded Box available; 160×17×17 / 12×12 / 18×18 / 20×20 cm	Custom Printed Carton Box: MOQ 100+ pcs | Release Liner Logo: MOQ 100–120 rolls (+$0.50–$1.00/roll)
Export & Compliance	HS Code: 3920109090 | Priority Ports: Shanghai & Ningbo (Shenzhen/Qingdao optional)	RoHS 10 Test Report (ST20260727003) & EU CE Conformity (STC20260727003E) on TPU-17CF

3. 2025 Paint Protection Film After-Sales Service Specification (First Edition)

Clause	Binding Standard (Effective from Buyer Receipt Date per Signed Sales Contract)
Art. 1 & 5 · Scope & Prior Contracts	Warranty runs from the date the buyer receives the goods per the signed Sales Contract (graded 5–10 years by TPU resin). Signed Sales Contracts or completed transactions prior to this specification remain governed by their original Sales Contract. Applies exclusively to the direct B2B purchasing company (excludes end-consumer vehicle owners).
Art. 2 · Pre-Install Check	1) Inspect thoroughly in an enclosed, well-lit dust-free bay before installation. 2) Open carton & remove PP bag, inspect roll end-faces for flat winding; if obvious surface defects appear, contact after-sales promptly. 3) Stand roll vertically on plastic end-plugs, two-person operation, remove sealing tape, and unroll 3–5 meters against reflected light to inspect film surface. 4) If obvious surface defects appear within 3–5m, remove the protective cap-sheet across the full roll for complete inspection; if obvious surface defects exceed 5 meters, contact after-sales immediately and DO NOT install — installing despite such defects deems the roll accepted as qualified and ineligible for after-sales service.

Art. 3 · 6 Covered Items	Covered ONLY when occurring under normal use: (1) Loss of gloss / dulling, (2) Cracking / embrittlement, (3) Automatic adhesive delamination from film during normal post-install use, (4) Obvious irremovable rain spots, (5) Pre-install obvious surface defects (strictly: white spots, obvious foreign particles, crease marks [excluding core-bottom impression], gels, severe diagonal lines), (6) Significant yellowing (Delta E ≥ 2; mild yellowing Delta E < 2 is normal and excluded from compensation).
Art. 4 · Claims, Same-Model/Grade Ratios & Timing	1–2) Contact your order sales rep with specific product model, roll number, order number, and defect photos/video. 3) Once complete claim documentation is received, feedback goes to the technical team to decide whether to initiate the after-sales procedure or provide technical guidance. 5) Within 3 working days of receiving the issue, the technical team confirms warranty eligibility and compensates with same-model film per standard ratios: 5.1.1 Pre-install surface defects (15m/roll unit): installed defective length ≤ 12.5m (inclusive) replaced with same-grade film at 1:1.2 of actual installed area; > 12.5m replaced with 1 full roll of same-grade film; uninstalled portion replaced at 1:1. 5.1.2 Other 5 covered conditions: replaced at 1:1.5 of actual defective quantity with same-grade film. 5.2 Monthly approved replacements are tallied in the current month and shipped before the 15th of the following month.
Art. 6 · Care & Exclusions	Care: 1) Wash wrapped vehicles once a week; 2) Perform professional cleaning & maintenance every 3 months; 3) Avoid strong acids, strong alkalis, carburetor cleaners, and harsh solvents contacting the film. Exclusions: 4) Extreme weather and extreme/abusive usage; 5) Failure to operate strictly per the product manual and remove the full-roll protective cap-sheet pre-install, and full-roll compensation claims for non-yellowing issues; 6) Surface corrosion, scratches, and bubbling; 7) Improper maintenance, human damage, or force majeure (including geological disasters); plus mild Delta E < 2 yellowing.

4. Complete 160-Model Aliphatic TPU PPF Specification Matrix (TPU-16CH to TPU-40OF)

SKU Model	TPU Resin Brand	Thickness (mil)	Finish Type	Topcoat Property	Elongation TD (%)	Yellowing (2000h/2500h)	Warranty	Std Roll Size	Gross Weight
TPU-16CH	Lubrizol (USA)	6.5 ±0.3 mil	Clear Gloss	Hydrophilic	300–350%	1.2–1.8/1.6–2.2	10 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-16CF	Lubrizol (USA)	6.5 ±0.3 mil	Clear Gloss	Cashew Hydrophobic	300–350%	1.2–1.8/1.6–2.2	10 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-16MH	Lubrizol (USA)	6.5 ±0.3 mil	Matte / Satin	Hydrophilic	300–350%	1.2–1.8/1.6–2.2	10 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-16MF	Lubrizol (USA)	6.5 ±0.3 mil	Matte / Satin	Cashew Hydrophobic	300–350%	1.2–1.8/1.6–2.2	10 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-16XH	Lubrizol (USA)	6.5 ±0.3 mil	Matte Black	Hydrophilic	300–350%	1.2–1.8/1.6–2.2	10 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-16XF	Lubrizol (USA)	6.5 ±0.3 mil	Matte Black	Cashew Hydrophobic	300–350%	1.2–1.8/1.6–2.2	10 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-16GH	Lubrizol (USA)	6.5 ±0.3 mil	Gloss Black	Hydrophilic	300–350%	1.2–1.8/1.6–2.2	10 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-16GF	Lubrizol (USA)	6.5 ±0.3 mil	Gloss Black	Cashew Hydrophobic	300–350%	1.2–1.8/1.6–2.2	10 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-16OH	Lubrizol (USA)	6.5 ±0.3 mil	Color TPU	Hydrophilic	300–350%	1.2–1.8/1.6–2.2	10 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-16OF	Lubrizol (USA)	6.5 ±0.3 mil	Color TPU	Cashew Hydrophobic	300–350%	1.2–1.8/1.6–2.2	10 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-17CH	Lubrizol (USA)	7.5 ±0.3 mil	Clear Gloss	Hydrophilic	330–380%	1.2–1.8/1.6–2.2	10 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-17CF	Lubrizol (USA)	7.5 ±0.3 mil	Clear Gloss	Cashew Hydrophobic	330–380%	1.2–1.8/1.6–2.2	10 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-17MH	Lubrizol (USA)	7.5 ±0.3 mil	Matte / Satin	Hydrophilic	330–380%	1.2–1.8/1.6–2.2	10 Years	1.52×15m / 1.83×15m	12–14 kg / roll
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TPU-18CH	Lubrizol (USA)	8.5 ±0.3 mil	Clear Gloss	Hydrophilic	350–400%	1.2–1.8/1.6–2.2	10 Years	1.52×15m / 1.83×15m	12–14 kg / roll
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TPU-10CH	Lubrizol (USA)	10 ±0.3 mil	Clear Gloss	Hydrophilic	370–420%	1.2–1.8/1.6–2.2	10 Years	1.52×15m / 1.83×15m	12–14 kg / roll
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TPU-26CH	BASF (Germany)	6.5 ±0.3 mil	Clear Gloss	Hydrophilic	270–320%	1.5–2.1/1.9–2.6	7–8 Years	1.52×15m / 1.83×15m	12–14 kg / roll
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TPU-20OH	BASF (Germany)	10 ±0.3 mil	Color TPU	Hydrophilic	340–390%	1.5–2.1/1.9–2.6	7–8 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-20OF	BASF (Germany)	10 ±0.3 mil	Color TPU	Cashew Hydrophobic	340–390%	1.5–2.1/1.9–2.6	7–8 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-36CH	Covestro (Germany)	6.5 ±0.3 mil	Clear Gloss	Hydrophilic	260–310%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-36CF	Covestro (Germany)	6.5 ±0.3 mil	Clear Gloss	Cashew Hydrophobic	260–310%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-36MH	Covestro (Germany)	6.5 ±0.3 mil	Matte / Satin	Hydrophilic	260–310%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll

SKU Model	TPU Resin Brand	Thickness (mil)	Finish Type	Topcoat Property	Elongation TD (%)	Yellowing (2000h/2500h)	Warranty	Std Roll Size	Gross Weight
TPU-36MF	Covestro (Germany)	6.5 ±0.3 mil	Matte / Satin	Cashew Hydrophobic	260–310%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-36XH	Covestro (Germany)	6.5 ±0.3 mil	Matte Black	Hydrophilic	260–310%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-36XF	Covestro (Germany)	6.5 ±0.3 mil	Matte Black	Cashew Hydrophobic	260–310%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-36GH	Covestro (Germany)	6.5 ±0.3 mil	Gloss Black	Hydrophilic	260–310%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-36GF	Covestro (Germany)	6.5 ±0.3 mil	Gloss Black	Cashew Hydrophobic	260–310%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-36OH	Covestro (Germany)	6.5 ±0.3 mil	Color TPU	Hydrophilic	260–310%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-36OF	Covestro (Germany)	6.5 ±0.3 mil	Color TPU	Cashew Hydrophobic	260–310%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-37CH	Covestro (Germany)	7.5 ±0.3 mil	Clear Gloss	Hydrophilic	290–340%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-37CF	Covestro (Germany)	7.5 ±0.3 mil	Clear Gloss	Cashew Hydrophobic	290–340%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-37MH	Covestro (Germany)	7.5 ±0.3 mil	Matte / Satin	Hydrophilic	290–340%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-37MF	Covestro (Germany)	7.5 ±0.3 mil	Matte / Satin	Cashew Hydrophobic	290–340%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-37XH	Covestro (Germany)	7.5 ±0.3 mil	Matte Black	Hydrophilic	290–340%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-37XF	Covestro (Germany)	7.5 ±0.3 mil	Matte Black	Cashew Hydrophobic	290–340%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-37GH	Covestro (Germany)	7.5 ±0.3 mil	Gloss Black	Hydrophilic	290–340%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-37GF	Covestro (Germany)	7.5 ±0.3 mil	Gloss Black	Cashew Hydrophobic	290–340%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-37OH	Covestro (Germany)	7.5 ±0.3 mil	Color TPU	Hydrophilic	290–340%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-37OF	Covestro (Germany)	7.5 ±0.3 mil	Color TPU	Cashew Hydrophobic	290–340%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-38CH	Covestro (Germany)	8.5 ±0.3 mil	Clear Gloss	Hydrophilic	310–360%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-38CF	Covestro (Germany)	8.5 ±0.3 mil	Clear Gloss	Cashew Hydrophobic	310–360%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-38MH	Covestro (Germany)	8.5 ±0.3 mil	Matte / Satin	Hydrophilic	310–360%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-38MF	Covestro (Germany)	8.5 ±0.3 mil	Matte / Satin	Cashew Hydrophobic	310–360%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-38XH	Covestro (Germany)	8.5 ±0.3 mil	Matte Black	Hydrophilic	310–360%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-38XF	Covestro (Germany)	8.5 ±0.3 mil	Matte Black	Cashew Hydrophobic	310–360%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-38GH	Covestro (Germany)	8.5 ±0.3 mil	Gloss Black	Hydrophilic	310–360%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-38GF	Covestro (Germany)	8.5 ±0.3 mil	Gloss Black	Cashew Hydrophobic	310–360%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-38OH	Covestro (Germany)	8.5 ±0.3 mil	Color TPU	Hydrophilic	310–360%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-38OF	Covestro (Germany)	8.5 ±0.3 mil	Color TPU	Cashew Hydrophobic	310–360%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-30CH	Covestro (Germany)	10 ±0.3 mil	Clear Gloss	Hydrophilic	330–380%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll

SKU Model	TPU Resin Brand	Thickness (mil)	Finish Type	Topcoat Property	Elongation TD (%)	Yellowing (2000h/2500h)	Warranty	Std Roll Size	Gross Weight
TPU-30CF	Covestro (Germany)	10 ±0.3 mil	Clear Gloss	Cashew Hydrophobic	330–380%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-30MH	Covestro (Germany)	10 ±0.3 mil	Matte / Satin	Hydrophilic	330–380%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-30MF	Covestro (Germany)	10 ±0.3 mil	Matte / Satin	Cashew Hydrophobic	330–380%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-30XH	Covestro (Germany)	10 ±0.3 mil	Matte Black	Hydrophilic	330–380%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-30XF	Covestro (Germany)	10 ±0.3 mil	Matte Black	Cashew Hydrophobic	330–380%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-30GH	Covestro (Germany)	10 ±0.3 mil	Gloss Black	Hydrophilic	330–380%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-30GF	Covestro (Germany)	10 ±0.3 mil	Gloss Black	Cashew Hydrophobic	330–380%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-30OH	Covestro (Germany)	10 ±0.3 mil	Color TPU	Hydrophilic	330–380%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-30OF	Covestro (Germany)	10 ±0.3 mil	Color TPU	Cashew Hydrophobic	330–380%	1.7–2.3/2.1–2.8	7 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-46CH	Wanhua (Aliphatic)	6.5 ±0.3 mil	Clear Gloss	Hydrophilic	240–290%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-46CF	Wanhua (Aliphatic)	6.5 ±0.3 mil	Clear Gloss	Cashew Hydrophobic	240–290%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-46MH	Wanhua (Aliphatic)	6.5 ±0.3 mil	Matte / Satin	Hydrophilic	240–290%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-46MF	Wanhua (Aliphatic)	6.5 ±0.3 mil	Matte / Satin	Cashew Hydrophobic	240–290%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-46XH	Wanhua (Aliphatic)	6.5 ±0.3 mil	Matte Black	Hydrophilic	240–290%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-46XF	Wanhua (Aliphatic)	6.5 ±0.3 mil	Matte Black	Cashew Hydrophobic	240–290%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-46GH	Wanhua (Aliphatic)	6.5 ±0.3 mil	Gloss Black	Hydrophilic	240–290%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-46GF	Wanhua (Aliphatic)	6.5 ±0.3 mil	Gloss Black	Cashew Hydrophobic	240–290%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-46OH	Wanhua (Aliphatic)	6.5 ±0.3 mil	Color TPU	Hydrophilic	240–290%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-46OF	Wanhua (Aliphatic)	6.5 ±0.3 mil	Color TPU	Cashew Hydrophobic	240–290%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-47CH	Wanhua (Aliphatic)	7.5 ±0.3 mil	Clear Gloss	Hydrophilic	270–320%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-47CF	Wanhua (Aliphatic)	7.5 ±0.3 mil	Clear Gloss	Cashew Hydrophobic	270–320%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-47MH	Wanhua (Aliphatic)	7.5 ±0.3 mil	Matte / Satin	Hydrophilic	270–320%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-47MF	Wanhua (Aliphatic)	7.5 ±0.3 mil	Matte / Satin	Cashew Hydrophobic	270–320%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-47XH	Wanhua (Aliphatic)	7.5 ±0.3 mil	Matte Black	Hydrophilic	270–320%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-47XF	Wanhua (Aliphatic)	7.5 ±0.3 mil	Matte Black	Cashew Hydrophobic	270–320%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-47GH	Wanhua (Aliphatic)	7.5 ±0.3 mil	Gloss Black	Hydrophilic	270–320%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-47GF	Wanhua (Aliphatic)	7.5 ±0.3 mil	Gloss Black	Cashew Hydrophobic	270–320%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-47OH	Wanhua (Aliphatic)	7.5 ±0.3 mil	Color TPU	Hydrophilic	270–320%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll

SKU Model	TPU Resin Brand	Thickness (mil)	Finish Type	Topcoat Property	Elongation TD (%)	Yellowing (2000h/2500h)	Warranty	Std Roll Size	Gross Weight
TPU-47OF	Wanhua (Aliphatic)	7.5 ±0.3 mil	Color TPU	Cashew Hydrophobic	270–320%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-48CH	Wanhua (Aliphatic)	8.5 ±0.3 mil	Clear Gloss	Hydrophilic	290–340%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-48CF	Wanhua (Aliphatic)	8.5 ±0.3 mil	Clear Gloss	Cashew Hydrophobic	290–340%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-48MH	Wanhua (Aliphatic)	8.5 ±0.3 mil	Matte / Satin	Hydrophilic	290–340%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-48MF	Wanhua (Aliphatic)	8.5 ±0.3 mil	Matte / Satin	Cashew Hydrophobic	290–340%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-48XH	Wanhua (Aliphatic)	8.5 ±0.3 mil	Matte Black	Hydrophilic	290–340%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-48XF	Wanhua (Aliphatic)	8.5 ±0.3 mil	Matte Black	Cashew Hydrophobic	290–340%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-48GH	Wanhua (Aliphatic)	8.5 ±0.3 mil	Gloss Black	Hydrophilic	290–340%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-48GF	Wanhua (Aliphatic)	8.5 ±0.3 mil	Gloss Black	Cashew Hydrophobic	290–340%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-48OH	Wanhua (Aliphatic)	8.5 ±0.3 mil	Color TPU	Hydrophilic	290–340%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-48OF	Wanhua (Aliphatic)	8.5 ±0.3 mil	Color TPU	Cashew Hydrophobic	290–340%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-40CH	Wanhua (Aliphatic)	10 ±0.3 mil	Clear Gloss	Hydrophilic	310–360%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-40CF	Wanhua (Aliphatic)	10 ±0.3 mil	Clear Gloss	Cashew Hydrophobic	310–360%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-40MH	Wanhua (Aliphatic)	10 ±0.3 mil	Matte / Satin	Hydrophilic	310–360%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-40MF	Wanhua (Aliphatic)	10 ±0.3 mil	Matte / Satin	Cashew Hydrophobic	310–360%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-40XH	Wanhua (Aliphatic)	10 ±0.3 mil	Matte Black	Hydrophilic	310–360%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-40XF	Wanhua (Aliphatic)	10 ±0.3 mil	Matte Black	Cashew Hydrophobic	310–360%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-40GH	Wanhua (Aliphatic)	10 ±0.3 mil	Gloss Black	Hydrophilic	310–360%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-40GF	Wanhua (Aliphatic)	10 ±0.3 mil	Gloss Black	Cashew Hydrophobic	310–360%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-40OH	Wanhua (Aliphatic)	10 ±0.3 mil	Color TPU	Hydrophilic	310–360%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll
TPU-40OF	Wanhua (Aliphatic)	10 ±0.3 mil	Color TPU	Cashew Hydrophobic	310–360%	2.0–2.8/2.5–3.4	5–6 Years	1.52×15m / 1.83×15m	12–14 kg / roll