



HENGMU GROUP

浙江恒沐复合材料股份有限公司

Global Supplier of High-Performance Release Materials

全球高性能离型材料供应商



ABOUT US

关于恒沐

Hengmu Group specializes in paper-based and PET release materials, delivering innovative and sustainable solutions for industries worldwide.

Based in Jiaxing, Zhejiang Province, China, we operate a modern manufacturing facility with a skilled team dedicated to quality. With more than 10 years of experience, we serve clients in over 30 countries.

Supported by advanced equipment and a strong R&D team, Hengmu Group continues to drive innovation and sustainability for long-term customer success.

恒沐专注于纸基和PET离型材料的生产和研发，为全球各行业提供创新且可持续的解决方案。

公司总部位于中国浙江省嘉兴市，拥有现代化生产设施和专业团队，致力于卓越品质。凭借十余年的行业经验，我们的客户遍及30多个国家。

依托先进的生产设备与强大的研发团队，恒沐持续推动技术创新和可持续发展，助力客户实现长期成功。



6000+m²

Land Area
占地面积6000平



32mil+ USD

Annual Sales
年销售额2.4亿元



100+
Employees

超100名优秀员工



300mil+m²

Annual Capacity
年产超3亿平方离型材料



HISTORY

发展历程

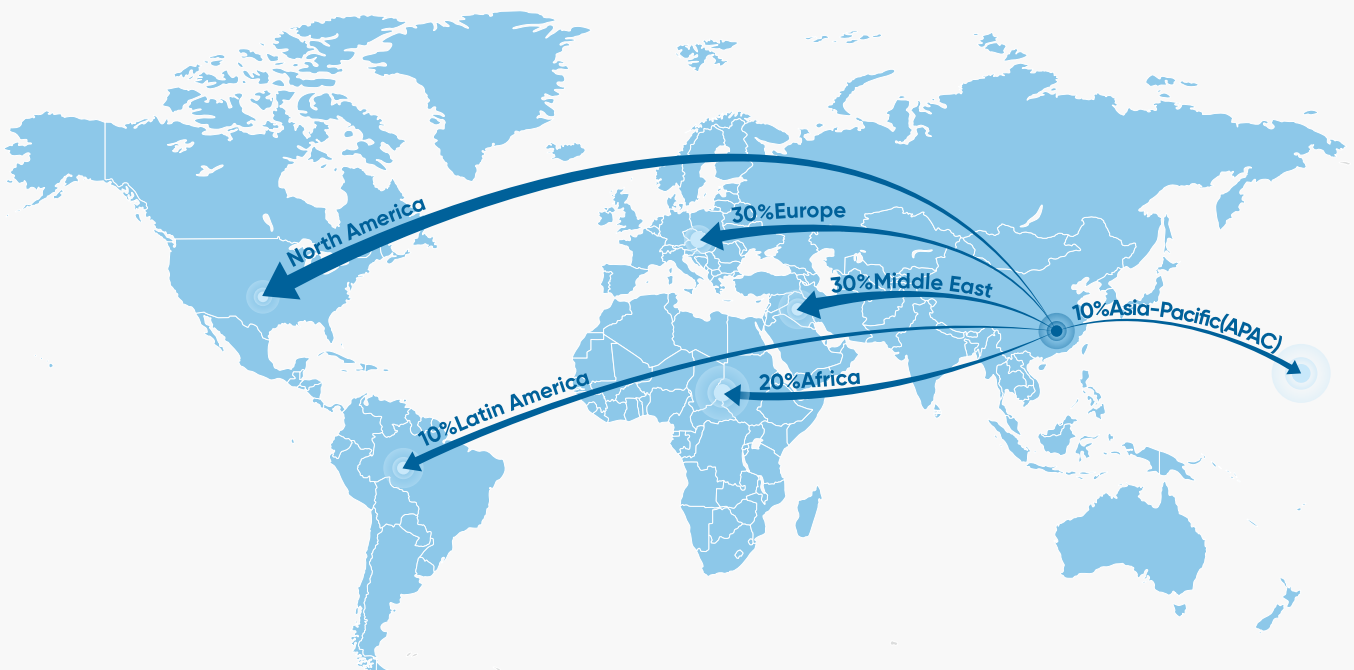


BUSINESS SCOPE

业务版图

70% of the products are exported worldwide. Trusted by clients in Europe, the Middle East, Africa, and beyond.

恒沐70%的产品出口至全球各地, 深受欧洲、中东、非洲等全球客户的信赖。



PRODUCTION EQUIPMENT

生产设备



2*Silicone Coating Line (Capable of inline printing)

2条无溶剂硅油涂布线, 可实现在线印刷

• Operating Speed 机速	350m/min
• Output reel width 成品宽幅	850mm - 1,650mm
• Output reel diameter 成品直径	max 1,200mm
• Annual Capacity 年产能	300mil+m ²

1*Hot Melt Coating Line

1条热熔胶涂布线

• Operating Speed 机速	250m/min
• Output reel width 成品宽幅	1000mm - 1,650mm
• Output reel diameter 成品直径	max 1,200mm
• Annual Capacity 年产能	120mil+m ²



5*Slitting Machines, including 1 with printing function

5台分切机, 可实现在线印刷

• Minimum slitting width 最窄分切宽度	30mm
• Output reel diameter 成品直径	max 1,200mm

TECHNOLOGIES

技术概览

Types of Release Liners: Structure & Performance Overview

离型材料结构与性能概览

Types 类型	Structure 结构	Property 性能
Direct coating type 直涂型	Release agent: Silicone Base material: Glassine paper, PET film 离型剂: 硅油 基材: 格拉辛纸、PET膜	Heat resistance and optical transparency 耐热性与光学透明性
Coated barrier type 涂布阻隔型	Release agent: Silicone Barrier layer: PVA, clay Base material: High quality paper, kraft paper 离型剂: 硅油 阻隔层: PVA、黏土 基材: 双胶纸、牛皮纸	Heat resistance and dimensional stability 耐热、挺度稳定不易卷曲
Laminated barrier type 淋膜阻隔型	Release agent: Silicone Barrier layer: PE Base material: High quality paper, kraft paper 离型剂: 硅油 阻隔层: PE 基材: 双胶纸、牛皮纸	Waterproof property and selective surface property 防水性能与选择性表面性能

Hengmu Release Force Levels

恒沐离型力等级

	R0	R1	R2	R3	R4	R5
Release Force (g/in) 离型力	3-5	5-8	8-12	12-20	20-35	>50
	Ultra Easy 超轻	Easy 轻	Standard 常规	Medium 中	Tight 高	Special 特殊
Test Method 测试方法	Release Force FTM 10, Tesa 7475 (23°C, 20h) 离型力 (依据 FTM 10, 使用 Tesa 7475, 23°C 静置 20 小时)					

Coating Technology

涂布技术



Adopting a solvent-free, thermally cured silicone system for sustainability, we achieve precise coating weights between 0.3 and 3 gsm through a high-precision six-roll transfer process.

采用绿色环保的无溶剂热固化硅油体系，并通过六辊转移涂布技术，将硅油涂布量精准控制在 0.3-3 gsm 之间，确保品质均一。

In partnership with silicone coating suppliers, we co-develop tailored formulations, offering single side siliconized (C1S) and double side siliconized (C2S) solutions that deliver consistent performance across a full range of release levels.

与硅油原料伙伴共同研发多种配方，提供单面 (C1S) 和双面 (C2S) 涂硅方案，灵活覆盖不同离型力区间，稳定满足多种应用需求。



PRODUCTS

离型材料

● Direct coating type -直涂型



Base paper/film 基纸/基膜

Silicon coating 硅油涂布

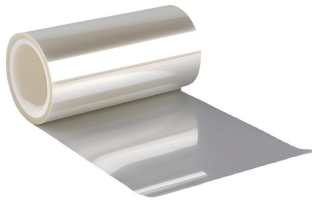
Glassine Release Paper

格拉辛离型纸

High density and excellent translucency
高密度和良好的透光性

Smooth coating surface with superior die-cutting performance
涂布平整, 模切性能好

Item	Unit	Standard										Test Method
Substance 定量	g/m ²	40±2	50±2	58±3	60±3	70±4	78±4	80±4	90±4	120±6		ISO 536
Caliper 厚度	μm	36±3	43±3	50±3	50±3	60±4	65±4	65±4	75±4	95±5		ISO 534
Tensile Strength 抗张强度	MD	N/15mm	≥35	≥40	≥50	≥50	≥55	≥60	≥60	≥70	≥90	ISO 1924-2
	CD		≥20	≥25	≥30	≥30	≥35	≥40	≥40	≥50	≥60	
Tearing Strength 撕裂强度	MD	mN	≥120	≥150	≥200	≥200	≥220	≥250	≥250	≥300	≥400	ISO 1974
	CD		≥150	≥180	≥250	≥250	≥280	≥300	≥300	≥350	≥450	
Residual Adhesion 残余率	%	≥80										FTM 11 (31B Tape / 70°C 20h)
Color 颜色	/	White / Blue / Yellow / Havana / Honey 白/蓝/黄/姜黄/蜂蜜黄										



PET Release Film

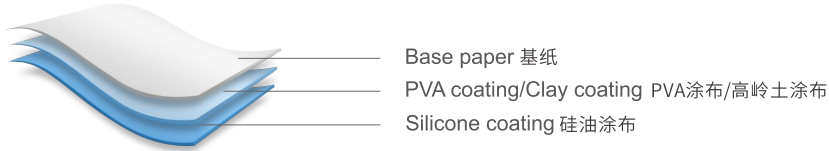
PET 离型膜

Ultra-high transparency
极高的透明度

Excellent heat resistance and thickness distribution
耐高温性强, 厚度均匀

Item	Unit	Standard						Test Method
Type 种类	/	N type		G type		S type		/
Thickness 厚度	μm	50	35	19	23	20~50		GBT 6672
Tensile Strength 抗张强度	MD	190		200		190		ASTM D882
	TD	220		220		210		
Heat Shrinkage 热收缩率	MD	1.0		1.0		1.0		ASTMD1204 150°C/30min
	TD	0		0		0		
Haze 雾度	%	3.0		1.6	1.2	3.0		ASTM D1003
Transmission 透光率	%	93.0		93.0		93.0		ASTM D1003
Residual Adhesion 残余率	%	93	85	94		94		Nitto 31B Tape

Coated barrier type -涂布阻隔型



Super Calendered Kraft Release Paper (SCK Release Paper)

超压光牛皮离型纸

Dense surface ensures low silicone absorption
表面致密, 硅油吸收率低

Tough, tear-resistant, and high tensile strength
强韧耐撕, 抗张强度高



Item	Unit	Standard				Test Method	
Substance 定量	g/m ²	40±3	50±3	60±3	65±3	ISO 536	
Caliper 厚度	μm	40±5	50±5	60±5	65±5	ISO 534	
Tensile Strength 抗张强度	MD	N/15mm	≥35	≥40	≥45	≥48	ISO 1924-2
	CD		≥20	≥25	≥30	≥33	
Tearing Strength 撕裂强度	MD	mN	≥150	≥180	≥210	≥220	ISO 1974
	CD		≥180	≥200	≥230	≥240	
Residual Adhesion 残余率	%	≥70				FTM 11 (31B Tape / 70°C 20h)	
Whiteness 白度	%	84±5				ISO 2470	
Color 颜色	/	White 白					

Machine Glazed Kraft Release Paper (MGK Release Paper)

单面压光牛皮离型纸

One-side machine glazed surface for easy coating and processing
单面压光, 易于涂布加工

Robust paper structure with high physical strength
纸张物理强度高



Item	Unit	Standard				Test Method	
Substance 定量	g/m ²	30±2	35±2	40±2	50±2	ISO 536	
Caliper 厚度	μm	35±5	40±5	45±5	55±5	ISO 534	
Tensile Strength 抗张强度	MD	N/15mm	≥30	≥30	≥35	≥40	ISO 1924-2
	CD		≥20	≥20	≥25	≥30	
Tearing Strength 撕裂强度	MD	mN	≥100	≥130	≥150	≥240	ISO 1974
	CD		≥110	≥150	≥170	≥250	
Residual Adhesion 残余率	%	≥50				FTM 11 (31B Tape / 70°C 20h)	
Moisture 含水量	%	6-10				ISO 287	
Color 颜色	/	White 白					



Clay Coated Kraft Release Paper (CCK Release Paper)

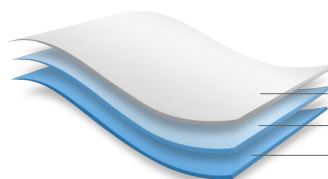
高岭土涂布离型纸

High temperature resistance
耐高温

Good stiffness with high curl resistance
挺度好, 不易卷曲

Item		Unit	Standard						Test Method
Substance 定量		g/m ²	60±3	80±4	90±4	120±6	130±6	137±6	ISO 536
Caliper 厚度		μm	60±5	80±5	90±5	120±5	130±5	137±5	ISO 534
Tensile Strength 抗张强度	MD	N/15mm	≥50	≥60	≥65	≥80	≥85	≥90	ISO 1924-2
	CD		≥30	≥30	≥40	≥40	≥45	≥45	
Tearing Strength 撕裂强度	MD	mN	≥180	≥250	≥270	≥330	≥350	≥370	ISO 1974
	CD		≥220	≥300	≥320	≥380	≥400	≥420	
Residual Adhesion 残余率		%	≥80						FTM 11 (31B Tape / 70°C 20h)
Color 颜色		/	White 白						

● Laminated barrier type - 淋膜阻隔型



Base paper 基纸

PE coating PE淋膜

Silicone coating 硅油涂布

PE Coated Kraft Release Paper (PCK Release Paper)

淋膜牛皮离型纸

High moisture resistance and excellent dimensional stability
防潮性强, 极佳的尺寸稳定性

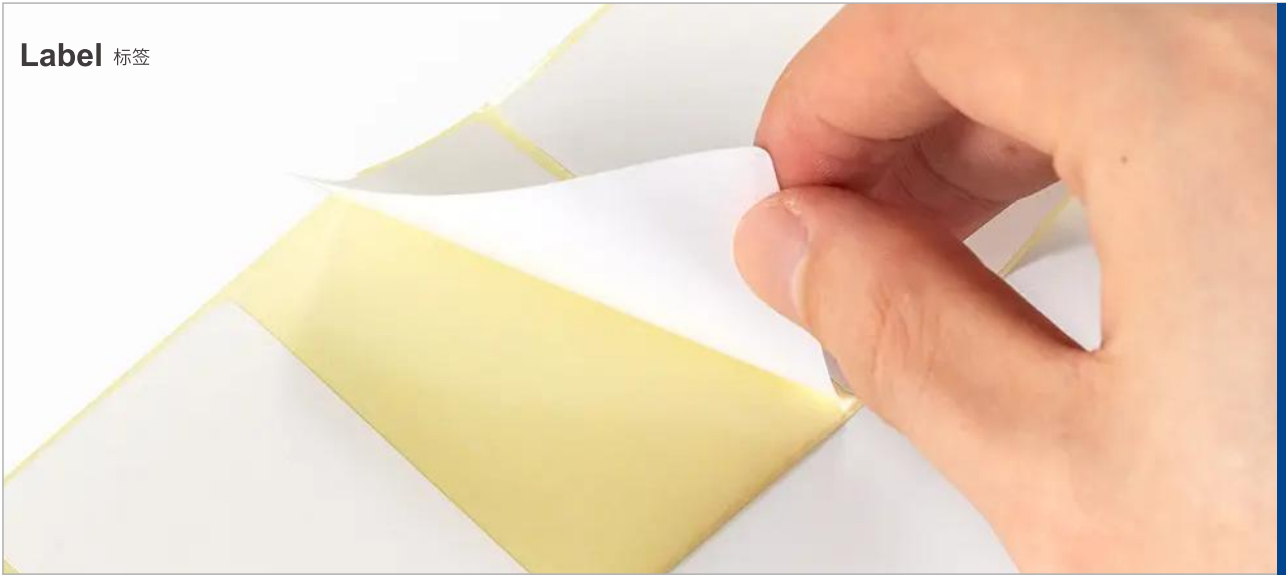
Exceptional surface flatness
良好的平整度

Item		Unit	Standard				Test Method
Substance 定量		g/m ²	85±5	95±5	115±5	135±5	ISO 536
Caliper 厚度		μm	105±10	115±10	135±10	155±10	ISO 534
Tensile Strength 抗张强度	MD	N	≥75	≥84	≥100	≥110	ISO 1924-2
	CD		≥58	≥60	≥65	≥68	
Tearing Strength 撕裂强度	MD	kN/m	≥5.0	≥5.6	≥7.0	≥8.0	ISO 1974
	CD		≥3.9	≥4.0	≥4.5	≥5.0	
Residual Adhesion 残余率		%	≥65				FTM 11 (31B Tape / 70°C 20h)
Color 颜色		/	White / Yellow / Brown 白/黄/棕				

APPLICATION

解决方案

Label 标签



Tape 胶带



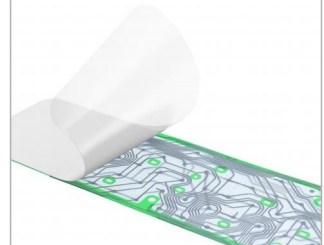
Medical 医疗



Hygiene 个人护理



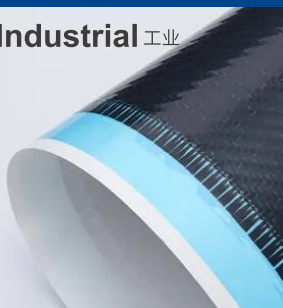
Electronic 电子



Construction 建材



Industrial 工业



Textile 纺织



QUALITY CONTROL

品质管理

Samples retained, every roll inspected

样品留存, 每卷必检



Raw Material

原材料检验

Conduct unpacking and sampling tests upon receipt of each batch of raw materials, and verify the factory-issued test report. A sample of each batch will be retained.

每批原材料到货后均进行来料拆卷抽样检验, 并核验工厂检测报告, 同时留存样本备查。



In-Process

过程检验

Use high-speed camera systems and sensors on the production line for real-time monitoring. Each roll of material also undergoes off-machine inspection after completion to ensure reliable and consistent quality.

生产线上采用在线高速摄像头与传感器实时监控, 每卷材料下机后也会进行多道即时检测, 严格履行检验室测试前的第一道成品质量把关。



Final Product

成品检验

All finished rolls are subjected to strict quality checks. Samples are numbered and archived for at least 2 years, guaranteeing complete traceability of every product.

每卷成品均经过严格的质量检测。样品均有编号并留存至少两年, 确保每件产品可全程追溯。

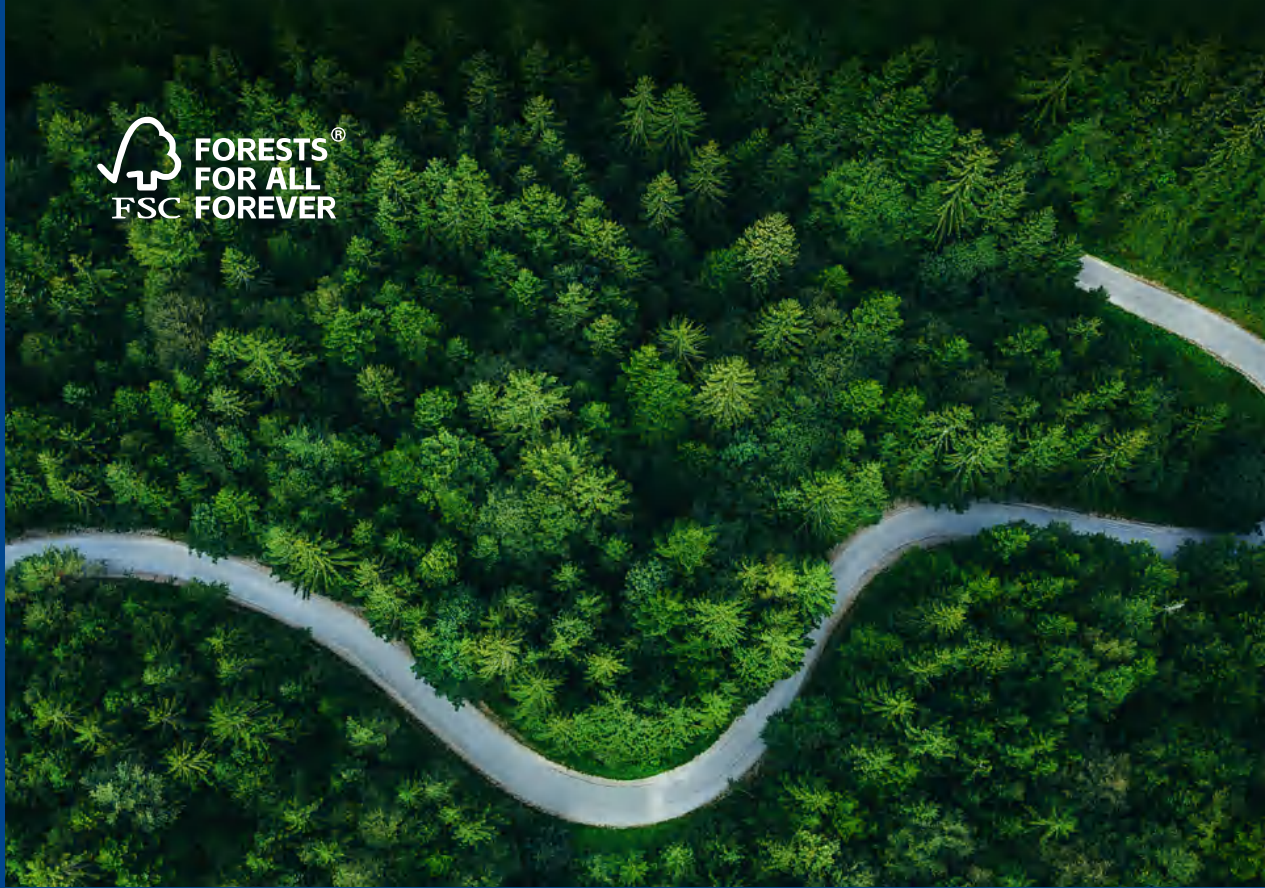


Inventory

库存检验

Regular quality retesting on existing inventory.

对现有库存进行定期质量复测。



ENVIRONMENTAL PROTECTION

可持续发展

- **FSC Certified · Sustainable Supply Chain**
FSC 认证 · 可持续供应链
- **EUDR Compliant · Deforestation-Free & Fully Traceable**
符合 EUDR 要求 · 无毁林可追溯
- **Low-VOC Clean Coating Process**
低 VOC 清洁涂布工艺
- **Cutting Carbon Emissions by 200+ Tons/Year**
年减碳排放 200+ 吨



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