Release Paper for Synthetic Leather

TPX™ release paper with excellent pattern transferability and heat resistance

Because of its high heat resistance and pattern transferability, TPX™ is used widely for release paper for synthetic leather. It can also be used more repeatedly than other materials, helping to reduce the process cost.

Benefits of Using TPX™

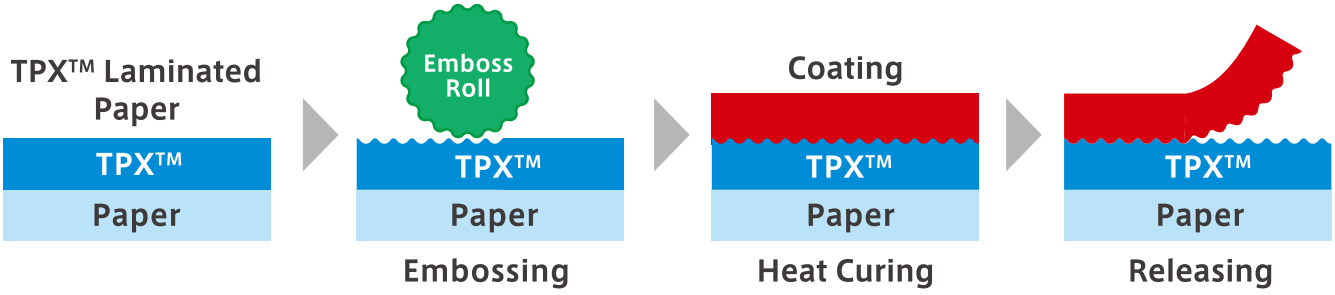
Enabling Manufacturing Costs to be Lowered

Even at high heat curing temperatures exceeding 160°C, TPX™ is applicable for a wide range of patterns, from shallow to deep.

Improved Product Quality

TPX™ featuring releasability and chemical resistance enables reduced issues in quality, such as flaws and chemical cracks.

Usage Instructions



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TPX™ Release Paper for Synthetic Leather

Comparison with Other Resins Used for Release Paper

Item	TPX™	Acrylic	Silicone	PP
Grain Depth	△ Fine~Middle	○ Fine~Heavy	× Fine	△ Fine~Middle
Heat Resistance	◎ ~200℃	◎ ~200℃	◎ ~200℃	× ~160℃
Recycle Usage	◎ Over 30 times	△ Under 20 times	× Under 10 times	○ Under 25 times
Resin Cost	×	×	◎	○
Total Cost	△	×	△	○

☐ TPX™ is capable for deeper grain compared to Silicone.
☐ TPX™ is capable for higher curing temperature compared to PP.
☐ TPX™ has total cost advantage compared to Acrylic.

Recommended Grades

Grade			DX310	DX231	DX820	DX820M
Flow Properties	MFR	g/10min	100	100	180	220
Mechanical Properties	Elongation at Break	%	60	13	5	10
	Flexural Strength	MPa	23	46	47	46
	Flexural Modulus	MPa	630	1650	1750	1630
Thermal Property	Vicat Softening Point	℃	145	178	172	132
	Melting Point	℃	227	232	232	232
Paper Lamination	Neck-in	mm	120	120	140	110

Paper Lamination Condition
⇒TPX™ Layer Thick:25μm, Line Speed:30m/min, Corona Treatment: 0.8kW

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