Marabu

PAD PRINTING INKS

Table of Inks and Substrates

M 0121 D/GB/5961000000003

Pad Printing Inks

Product Information	Tampa® Cure UV TPC	Tampa® Glass TPGL	Tampa® RotaSpeed TPHF	Tampa® Plus TPL	Tampa® Star TPR
Ink System	UV, 1C/2C	solvent, 2C	solvent, 1C/2C	solvent, 1C/2C	solvent, 1C/2C
Drying	fast	fast	very fast	very fast	very fast
Degree of Gloss	high gloss	glossy	glossy	glossy	glossy
Opacity	high	high	high	high	high
Special Characteristics	resistant to chemicals	dishwasher resistant	halogen-free, waterproof, for rotary pad printing	free of aromatic solvents, resistant to alcohol and petrol	universally applicable, resistant to petrol
Basic Shades	17	17	17	17	17
4-Clr Process	-	4	-	4	4
Others	3	13	2	10	10
Specials	Opaque White and Black	High-Opaque Shades, Press-ready Metallics, Etch Imitations	Press-ready Silver	Press-ready Metallics, High-Opaque Shades, High-Gloss White	Press-ready Metallics, High-Opaque Shades, Opaque White
Auxiliaries					
Thinner	TPV/TPV 7	TPGLV/TPV/TPV 6/UKV 1	TPV	TPV	TPV/TPV 7
Thinner, Fast	TPV 2	PPTPV	TPV 2	TPV 2	TPV 2
Thinner, Slow	-	TPV 3	TPV 3/TPV 8	TPV 3*/TPV 8	TPV 3
Retarder	-	SV 3/SV 9	-	SV 11	SV 1
Retarder Paste	-	-	-	VP*	VP
Accelerator	UV-B 1	-	-	-	-
Hardener | Adhesion Modifier	H 1/H 2/H 4/UV-HV 1	MGLH	H 2/H 4	H 1*/H 2/H 4/HX	H 1/H 2/H 4/HT 1/HX
Varnish/Bronze Binder	TPC 910	TPGL 910	TPHF 910	TPL 910	TPR 910
Transparent Base	-	-	-	-	TPR 409
Antistatic Paste	-	-	-	-	AP
Matting Powder	MP	MP	MP	MP	MP
Opaquing Paste	OP 170		-	-	OP 170
Levelling Agent	ES	ES	-	-	ES
Surface Additive	SA 1	SA 1	SA 1	SA 1	SA 1
Anti-Rust Additive	-	-	-	-	-
Cleaner	UR 3/4/5	UR 5	UR 4/5	UR 4/5	UR 3/4/5
Substrates					
ABS/SAN	✓			✓	✓
Acrylic Glass (PMMA)	✓			✓	✓
Anodised Aluminium		✓ 💧		✓ **H**	✓ **H**
EVA/Boost					
Glass, Ceramics		✓			
Metals	✓ **H/HV**	✓ 💧			
Paper, Corrugated Board				✓	✓
PETG, PETA					
Polyacetal (POM)					✓ **H** 🔥
Polyamide (PA)	✓ **H**				✓ **H**
Polycarbonate (PC)	✓			✓	✓
Polyester Foil, Coated					
Polyethylene (PE), Pre-Treated	✓ **H**		✓		
Polypropylene (PP), Pre-Treated	✓ **H**		✓		
Polypropylene (PP), Un-Treated					
Polystyrene (PS)	✓			✓	✓
PVC, Rigid	✓			✓	✓
PVC, Soft				✓	✓
Textiles, Cotton					
Textiles, Synthetics					
Thermoplastic Elastomers (TPE)					
Thermosetting Plastics		✓		✓ **H**	✓ **H**
Varnished Surfaces	✓ **H**	✓ 💧		✓ **H**	✓ **H**
Wood				✓	✓
Typical or Additional Application	Audio and Electronic Products, Technical Markings	Glass for Indoor Applications	Closures	Toys, Promotional Items, Office Products	Sporting Goods, Promotional, Office and Medical Products

✓= suitable ✓ = limited suitability 💧 = pre-treatment with PLR 🔥 = post-treatment by flame, hot air, or oven drying **H** = with hardener **HV** = adhesion modifier
*not suitable for sensitive applications

Pad Printing Inks

Product Information	Tampa® Sport TPSP	Tampa® Tech TPT	Tampa® Pur TPU	Tampa® Tex TPX	Tampa® Pol TPY
Ink System	solvent, 2C	solvent, 2C	solvent, 2C	solvent, 2C	solvent, 1C/2C
Drying	fast	fast	fast	medium	fast
Degree of Gloss	glossy	high gloss	high gloss	satin gloss	glossy
Opacity	high	high	high	high	high
Special Characteristics	very flexible	resistant to chemicals, long pot life	resistant to chemicals	wash resistant, certified according to ECO PASSPORT by OEKO-TEX®	resistant to chemicals
Basic Shades	17	17	17	17	17
4-Clr Process	-	-	4	4	4
Others	3	8	9	4	8
Specials	Press-ready Silver, Opaque White	Press-ready Metallics, High-Opaque Shades	Press-ready Metallics, High-Opaque Shades	Press-ready Silver, Overprint Varnish	Press-ready Metallics, High-Opaque Shades
Auxiliaries					
Thinner	TPV/TPV 7	TPV/TPV 7	TPV/TPV 7	TPV/TPV 7	TPV/TPV 7
Thinner, Fast	TPV 2/TPV 9	TPV 2	TPV 2	TPV 2/TPV 9	TPV 2
Thinner, Slow	TPV 3/TPV 8	TPV 3	TPV 3	TPV 8/TPV 3*	TPV 3
Retarder	GLV	SV 1	SV 1	SV 12/GLV/SV 1*	SV 1
Retarder Paste	-	VP	VP	-	VP
Accelerator	-	-	-	-	-
Hardener | Adhesion Modifier	H 2/H 4/TP-HV 1	H 2/HT 1	H 1/H 2/H 4/HT 1/HX	HX/H 2/H 4	H 1/H 2/H 4/HT 1/HX
Varnish/Bronze Binder	TPSP 910	TPT 910	TPU 910	TPX 910	TPY 910
Transparent Base	-	-	TPU 409	-	-
Antistatic Paste	-	AP	AP	-	AP
Matting Powder	-	MP	MP	-	MP
Opaquing Paste	-	OP 170	OP 170	-	OP 170
Levelling Agent	-	ES	ES	-	ES
Surface Additive	SA 1	SA 1	SA 1	SA 1	SA 1
Anti-Rust Additive	-	-	-	-	-
Cleaner	UR 5	UR 4/5	UR 3/4/5	UR 5	UR 3/4/5
Substrates					
ABS/SAN		✓		✓	✓
Acrylic Glass (PMMA)				✓ 💧	
Anodised Aluminium		✓	✓	✓ 💧	
EVA/Boost	✓				
Glass, Ceramics		✓	✓	✓	
Metals		✓	✓	✓	✓ **H**
Paper, Corrugated Board				✓	✓
PETG, PETA				✓	
Polyacetal (POM)		✓ 🔥	✓ 🔥		
Polyamide (PA)		✓	✓	✓ 💧	✓ **H** 🔥
Polycarbonate (PC)				✓	
Polyester Foil, Coated				✓	
Polyethylene (PE), Pre-Treated		✓	✓	✓	✓ **H**
Polypropylene (PP), Pre-Treated		✓	✓	✓	✓ **H**
Polypropylene (PP), Un-Treated					
Polystyrene (PS)				✓	
PVC, Rigid				✓	✓
PVC, Soft				✓	
Textiles, Cotton	✓		✓	✓	
Textiles, Synthetics	✓		✓	✓	
Thermoplastic Elastomers (TPE)				✓ 💧	
Thermosetting Plastics		✓	✓		✓ **H**
Varnished Surfaces		✓	✓	✓	✓ **H**
Wood		✓	✓	✓	✓
Typical or Additional Application	Sports Wear, Sports Shoes	Promotional Items, Office Products, Glass	Sporting Goods, Medical Products	Textiles, Toys, Baby Products	Audio and Electronic Products, Automotive

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Product Information	Maqua® Pad MAP	Mara® Tech MGO	Mara® Prop PP
Ink System	WB, 1C	solvent, 1C	solvent, 1C
Drying	medium	fast	fast
Degree of Gloss	satin gloss	high gloss	satin gloss
Opacity	medium	high	medium
Special Characteristics	water-based	screen and pad printing ink, resistant to chemicals	screen and pad printing ink, very elastic
Basic Shades	17	17	14
4-Clr Process	-	-	-
Others	3	7	3
Specials	Opaque White, Opaque Black, Overprint Varnish	High-Opaque Shades, Overprint Varnish	Opaque White, Bronze Binder
Auxiliaries			
Thinner	-	TPV/UKV 1*	PPTPV/UKV 1
Thinner, Fast	-	TPV 2/TPV 9	-
Thinner, Slow	-	GLV	QNV
Retarder	WV 1	SV 3*	SV 1
Retarder Paste	-	-	-
Accelerator	-	-	-
Hardener | Adhesion Modifier	-	-	-
Varnish/Bronze Binder	MAP 910	MGO 910	PP 902
Transparent Base	-	-	-
Antistatic Paste	-	-	AP
Matting Powder	-	-	MP
Opaquing Paste	-	-	-
Levelling Agent	-	ES	ES
Surface Additive	-	-	-
Anti-Rust Additive	AR	-	-
Cleaner	TPV 2, UR 3, PLR	UR 4/5	UR 3/4/5
Substrates			
ABS/SAN	✓		
Acrylic Glass (PMMA)			
Anodised Aluminium		✓ 💧 🔥	
EVA/Boost			
Glass, Ceramics		✓ 🔥	
Metals		✓ 💧 🔥	
Paper, Corrugated Board			
PETG, PETA			
Polyacetal (POM)			
Polyamide (PA)			
Polycarbonate (PC)	✓		
Polyester Foil, Coated			
Polyethylene (PE), Pre-Treated			
Polypropylene (PP), Pre-Treated	✓		✓
Polypropylene (PP), Un-Treated			✓
Polystyrene (PS)			
PVC, Rigid	✓		
PVC, Soft			
Textiles, Cotton			
Textiles, Synthetics			
Thermoplastic Elastomers (TPE)			
Thermosetting Plastics			
Varnished Surfaces	✓ 💧	✓ 💧 🔥	
Wood	✓		
Typical or Additional Application	Toys, Baby Products and other sensitive applications	Perfume Bottles, Front Panels (metal), Touch Panels (glass)	Medical Products, Packaging

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