

SAMBU HOT-MELT INTRODUCTION VERSION 3

LOW MELTING TEMPERATURE HOT-MELT FILM

Adhesive Films		NASA-LQ	NASA-LQ BIO	NASA-MM	NASA-MM BIO	NASA-G3	
Base polymer		TPU	TPU	TPU	TPU	TPU	
	Width(inch)	44",47",54"	44",47",54"	44",47",54"	44",47",54"	44",54"	
Spec	Thickness(μm)	50~200	80-200	60~180	80-200	50~200	
Carrier		PP	PP	Paper/PP	Paper/PP	PP	
Melting Point	(℃)	95±5	100±5	105±5	110±5	80±5	
Melt Index	177°⊂, 2.16kg (g/10min)	22-28	10-20	13-23	10-20	2-12	
	Process Temperature(°C)	100~120℃	100~120℃	115~120	115~120	90~110℃	
Working Condition	Working Time(sec)	30-35	30-35	20-25	20-25	30-35	
•	Oil Pressure(kgf/an)	60-70	60-70	45-60	45-60	60-70	
	Air Pressure(kgf/an)	3-7				3-7	
	Арр	plicable Mate	rial				
	Cotton Span(Lycra)	Excellent	Excellent	Excellent	Excellent	Excellent	
	Acetate	Excellent	Excellent	Excellent	Excellent	Excellent	
Textile	Polyester	Excellent	Excellent	Excellent	Excellent	Excellent	
	Glossy Nylon	Good	Good	Good	Good	Good	
	Felt (Non-woven)	Excellent	Excellent	Excellent	Excellent	Excellent	
	TPO(Thermo Plastic Olefin)	Good	Good			Good	
	PC(Polycarbonate)	Excellent	Excellent	Excellent	Excellent	Excellent	
	PET(Polyethylene Terephthalate)	Good	Good	Good	Good	Good	
Synthetic Resin	EVA(Ethylene Vinyl Acetate)	Good	Good			Good	
•,	PS(Polystyrene, Styrofoam)	Good	Good	Good	Good	Good	
	ABS(Acrylonitrile Butadiene Styrene)	Excellent	Excellent	Excellent	Excellent	Excellent	
	FRP(Fiber Reinforced Plastics)	Good	Good	Good	Good	Good	
	Rubber						
Inorganic compound	Synthetic Leather	Excellent	Excellent	Excellent	Excellent	Excellent	
·	Natural Leather	Excellent	Excellent	Good	Good	Excellent	
	Aluminum	Excellent	Excellent	Good	Good	Excellent	
Material	Stainless	Excellent	Excellent	Good	Good	Excellent	
	Copper	Excellent	Excellent	Good	Good	Excellent	
Others	Wood(MDF)	Excellent	Excellent	Excellent	Excellent	Excellent	
	Paper	Excellent	Excellent	Good	Good	Excellent	
	Glass					Good	
Remark	NASA-LQ: Stretchable, I NASA-LQ BIO: Bio-base NASA-MM: Low-melting NASA-MM BIO: Bio-bas NASA-G3: Bonding with	ed version of N point, thin, soft ed version of N	ASA-LQ t, light and high ASA-MM	n boding score			

NASA-T SERIES HOT-MELT FILM

NASA-TT BIO: Bio-based version of NASA-TT

NASA-TT BIO CL : NO carrier Bio-based version of NASA-TT

Adhesive Films		NASA-T	NASA-T NP	NASA-T1	NASA-T REC	NASA-TT	NASA-TT BIO	NASA-TT BIO CL
Base polymer		TPU	TPU	TPU	TPU	TPU	TPU	TPU
Spec	Width(inch)	44",47",54"	44",47",54"	44",47",54"	44",47",54"	44",47",54"	44",47",54"	44",47",54"
	Thickness(μm)	50~300	50~300	40~230 (Main:150)	50~300	60~180	70~210	70~210
Carrier		Paper/PP	Paper/PP	Paper/PP	Paper/PP	Paper/PP	Paper/PP	NO Carrier
Melting Point	(℃)	118±5	118±5	118±5	118±5	118±5	120±5	120±5
Melt Index	177°⊂, 2.16kg (g/10min)	8-14	8-14	8-14	8-14	8-14	8-16	8-16
	Process Temperature(°C)	130~150	130~150	130~150	130~150	130~150	130~150	120~140
Working	Working Time(sec)	30-35	30-35	30-35	30-35	20-25	20-25	
Condition	Oil Pressure(kgf/ani)	60-70	60-70	60-70	60-70	45-60	45-60	
	Air Pressure(kgf/ani)							3~10
		Appli	icable Mate	rial				
	Cotton Span(Lycra)	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
	Acetate	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Textile	Polyester	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
	Glossy Nylon	Good	Good	Good	Good	Good	Good	Good
	Felt (Non-woven)	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Synthetic Resin	TPO(Thermo Plastic Olefin)							
	PC(Polycarbonate)	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
	PET(Polyethylene Terephthalate)	Good	Good	Good	Good	Good	Good	Good
	Acetate)							
	PS(Polystyrene, Styrofoam)	Good	Good	Good	Good	Good	Good	Good
	ABS(Acrylonitrile Butadiene Styrene)	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
	FRP(Fiber Reinforced Plastics)	Good	Good	Good	Good	Good	Good	Good
Inorganic compound	Rubber							
	Synthetic Leather	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
	Natural Leather	Good	Good	Good	Good	Good	Good	Good
Material	Aluminum	Good	Good	Good	Good	Good	Good	Good
	Stainless	Good	Good	Good	Good	Good	Good	Good
	Copper	Good	Good	Good	Good	Good	Good	Good
Others	Wood(MDF)	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
	Paper	Good	Good	Good	Good	Good	Good	Good
	Glass							
Remark	NASA-T: For open mesh, PU Skin coating NASA-T NP: UV enhanced version of NASA-T NASA-T1: Softer and lighter than NASA-T 0.2mm, Upgrade version of NASA-T NASA-T REC: Recycled version of NASA-T NASA-TT: Thin, soft, light, and high bonding score version Hot-melt.							

SPECIAL HOT-MELT FILM

Adhesive Films		NASA-600	NASA-V	NASA-Q	NASA- 100PL	NASA- 100+	NASA- 150+	
Base polymer		TPU	TPU	TPU	TPO	TPO	TPO	
Spec	Width(inch)	44",47",54"	47"	44",47",54"	44"	44", 54"	44", 54"	
	Thickness(μm)	50~300	170, 250, 400, 500	50~300	50/100	35~50	35~50	
Carrier		Paper/PP	Paper/PP	Paper/PP	Paper	No RP	No RP	
Melting Point	(℃)	118±5	118±5	115±5	100±5	100±5	70±5	
Melt Index	177°⊂, 2.16kg (g/10min)	20-26	8-14	14-20	2-6	2-8	35±5	
	Process Temperature(°C)	130~150	130~150℃	130~150°C	100~120℃	100~120℃	100~120°C	
Working Condition	Working Time(sec)	30-35	30-35	30-35	30-35	30-35	30-35	
	Oil Pressure(kgf/an)	60-70	60-70	60-70	60-70	60-70	60-70	
	Air Pressure(kgf/an)				3-7	3-7	3-7	
		Applicable		=	= .,		=	
	Cotton Span(Lycra)	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	
	Acetate	Excellent	Excellent	Excellent	Good	Good	Good	
Textile	Polyester	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	
	Glossy Nylon	Good	Good	Good	Good	Good	Good	
	Felt (Non-woven)	Excellent	Excellent	Excellent	Good	Good	Good	
	TPO(Thermo Plastic Olefin)				Excellent	Excellent	Excellent	
	PC(Polycarbonate)	Excellent	Excellent	Excellent	Good	Good	Good	
	PET(Polyethylene Terephthalate)	Good	Good	Good				
Synthetic Resin	EVA(Ethylene Vinyl Acetate)				Excellent	Excellent	Excellent	
- ,	PS(Polystyrene, Styrofoam)	Good	Good	Good				
	ABS(Acrylonitrile Butadiene Styrene)	Excellent	Excellent	Excellent				
	FRP(Fiber Reinforced Plastics)	Good	Good	Good				
	Rubber				Good	Good	Good	
Inorganic compound	Synthetic Leather	Excellent	Excellent	Excellent	Good	Good	Good	
	Natural Leather	Good	Good	Good	Good	Good	Good	
	Aluminum	Good	Good	Good				
Material	Stainless	Good	Good	Good				
	Copper	Good	Good	Good				
	Wood(MDF)	Excellent	Excellent	Excellent	Good	Good	Good	
Others	Paper	Good	Good	Good	Good	Good	Good	
	Glass	fine moch D	LI Olde contin		Good	Good	Good	
Remark	NASA-600: For close / fine mesh, PU Skin coating NASA-V: TPU with Hot-melt film layer; Two layer Hot-melt. NASA-Q: For stretchable substrate NASA-100PL: EVA foam and polyester Textile NASA-100+: EVA foam and Polyester Textile NASA-150+: EVA foam and polyester Textile (Melting point is lower than NASA-100+)							



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