

KOREA

HOT MELT (17 SKU)

Category		General					BioBased	To Hard To Adhere Surface		High Elastic		Polyester	Polyamide	Multilayers				
Product Number / Name		3060	3097	3019	3050	3099	BBA3030W	3073	3093	3080	3087	3095	5090	4092	3393	3395	3130	3396
Composition		TPU	TPU	TPU	TPU	TPU	TPU, over 30% bio-based	TPU	TPU	TPU	TPU	TPU	Polyester	Polyamide	TPU (3-layer)	TPU (3-layer)	TPU (3-layer)	Mesh fabric + TPU(3-layer)
Certification		bluesign®,OEKO-TEX®	bluesign®,OEKO-TEX®	OEKO-TEX®	bluesign®,OEKO-TEX®	bluesign®,OEKO-TEX®	OEKO-TEX®	bluesign®,OEKO-TEX®	bluesign®,OEKO-TEX®	bluesign®,OEKO-TEX®	bluesign®,OEKO-TEX®	bluesign®,OEKO-TEX®	OEKO-TEX®	OEKO-TEX®	OEKO-TEX®	bluesign®,OEKO-TEX®	OEKO-TEX®	OEKO-TEX®
Color		Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent
Characteristic	Application	Wide range usable	Good usability· Low tack	Good usability· Low tack	Usable in low temperature	Anti-yellowing	Bio-based TPU· Eco-friendly	Good to DWR (C0/C6) and high density fabric	Good to DWR(C6) and high density fabric	Moderate modulus/ High elastic For underwear For high-stretch fabrics	Usable in lower temperature/Moderate modulus & elastic For underwear For high-stretch fabrics	Low modulus · High elastic For underwear For high-stretch fabrics	Polyester· Good usability Recyclable PET	Polyamide· Good adhere to nylon fabric High transmitta Recyclable Nylon	High elastic· 0.15 mm For underwear For high-stretch fabrics For preventing puckering	High elastic· Usable in low temperature For underwear For high-stretch fabrics For preventing puckering	High elastic· 0.13 mm For high-stretch fabrics For preventing puckering	High Elastic & Less puckering For underwear (waistband)
Fabrics (Woven, Non-Woven,Kints,Felts)	Acetate	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
	Acrylic	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
	Cotton	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
	Nylon / Spandex	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Good	Excellent	Excellent	Excellent	Excellent
	Polyester / Cotton	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Good	Excellent	Excellent	Excellent	Excellent
	Nylon	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Good	Excellent	Excellent	Excellent	Excellent
	Ployester	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Good	Excellent	Excellent	Excellent	Excellent
Foams	Wool	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
	Polyurethane	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
	PVC-Flexible	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
Other	Ployurethane	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Good	Excellent	Excellent	Excellent	Excellent
	Epoxy	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
	Rubber	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
Glue Line Temperature Range (°C) °F		(113-181) 236-358	(125-169) 257-337	(105-172) 222-341	(108-163) 226-326	(106-167) 224-330	(141-180) 286-356	(97-178) 206-353	(117-183) 243-362	(128-209) 262-409	(141-202) 286-395	(150-190) 302-374	(123-168) 254-335	(123-159) 253-318	(128-209) 262-409	(141-202) 286-395	(150-190) 302-374	(128-209) 262-409
Softening Point (°C) °F		(80.5) 176.9	(98.6) 209.5	(81.6) 178.9	(90.6) 195.1	(80.5) 176.9	(96.0) 204.8	(66.9) 152.42	(92.4)198.32	(101.7) 215.06	(100.6) 213.08	(105.4) 221.72	(108.2) 226.76	(111.5) 252.7	(101.7) 215.06	(100.6) 213.08	(105.4) 221.72	(101.7) 215.06
Melt Flow Index		13.8 (160°C-2.16kg)	18.6 (160°C-2.16kg)	20.0 (160°C-2.16kg)	25.7 (160°C-2.16kg)	13.8 (160°C-2.16kg)	22.0 (160°C-2.16kg)	14.9 (160°C-2.16kg)	10.5 (160°C-2.16kg)	5.3 (160°C-2.16kg)	6.8 (160°C-2.16kg)	10.3 (160°C-2.16kg)	25.4 (160°C-2.16kg)	40.1 (160°C-2.16kg)	5.3 (160°C-2.16kg)	6.8 (160°C-2.16kg)	10.3 (160°C-2.16kg)	5.3 (160°C-2.16kg)
Normal Thickness (Micrometre)		50 _{µm} (.002")	50 _{µm} (.002")	50 _{µm} (.002")	50 _{µm} (.002")	50 _{µm} (.002")	50 _{µm} (.002")	50 _{µm} (.002")	50 _{µm} (.002")	50 _{µm} (.002")	50 _{µm} (.002")	50 _{µm} (.002")	50 _{µm} (.002")	50 _{µm} (.002")	150 _{µm} (.006")	100 _{µm} (.004")	130 _{µm} (.005")	200 _{µm} (.008")
Weight (per 100 Micrometre)		112gsm	115gsm	111gsm	116gsm	112gsm	116gsm	123gsm	112gsm	112gsm	108gsm	109gsm	133gsm	102gsm	179gsm (@150 µm)	115gsm	152gsm (@130 µm)	172gsm (@200 µm)
Modulus @100%		@50 _{µm} - 1.61N	@50 _{µm} - 2.18N	@50 _{µm} - 2.17N	@50 _{µm} - 2.06N	@50 _{µm} - 1.61N	@100 _{µm} - 2.3N	@50 _{µm} - 1.87N	@50 _{µm} - 3.02N	@50 _{µm} - 1.09N	@50 _{µm} - 1.08N	@50 _{µm} - 0.85N	@50 _{µm} - 5.46N	@50 _{µm} - 8.21N	@150 _{µm} - 3.8N	@100 _{µm} - 3.1N	@130 _{µm} - 3.6N	@200 _{µm} - 3.2N
Recovery		90%	89%	89%	91%	90%	90%	89%	85%	100%	100%	100%	72%	59%	100%	100%	100%	100%
Hand Feel		Medium	Medium	Medium	Medium	Medium	Soft	Medium	Stiff	Soft	Soft	Soft	Stiff	Stiff	Medium	Medium	Medium	Medium
Home Laundering		Up to 40°C	Up to 40°C	Up to 40°C	Up to 40°C	Up to 40°C	Up to 40°C	Up to 40°C	Up to 40°C	Up to 40°C	Up to 40°C	Up to 40°C	Up to 40°C	Up to 40°C	Up to 40°C	Up to 40°C	Up to 40°C	Up to 40°C
Recommended Heat Press Time		10~20sec	10~20sec	10~20sec	10~20sec	10~20sec	10~20sec	10~20sec	10~20sec	10~20sec	10~20sec	10~20sec	10~20sec	10~20sec	15~30sec	15~30sec	15~30sec	15~30sec
Recommended Cold Press Time		5sec	5sec	5sec	5sec	5sec	5sec	5sec	5sec	5sec	5sec	5sec	5sec	5sec	5sec	5sec	5sec	5sec
Storage		Below 25°C Avoid High Humidity (<60%)	Below 25°C Avoid High Humidity (<60%)	Below 25°C Avoid High Humidity (<60%)	Below 25°C Avoid High Humidity (<60%)	Below 25°C Avoid High Humidity (<60%)	Below 25°C Avoid High Humidity (<60%)	Below 25°C Avoid High Humidity (<60%)	Below 25°C Avoid High Humidity (<60%)	Below 25°C Avoid High Humidity (<60%)	Below 25°C Avoid High Humidity (<60%)	Below 25°C Avoid High Humidity (<60%)	Below 25°C Avoid High Humidity (<60%)	Below 25°C Avoid High Humidity (<60%)	Below 25°C Avoid High Humidity (<60%)	Below 25°C Avoid High Humidity (<60%)	Below 25°C Avoid High Humidity (<60%)	Below 25°C Avoid High Humidity (<60%)