








Tag and Inlay Portfolio









Stora Enso, Intelligent Packaging



RFID Tags Primarily for Retail and New Retail Applications

	Product name	ECO tag / Traditional tag	Sales code	Antenna size [mm]	Die-cut size [mm]	MD pitch [mm]	Web width [mm]	Delivery format	Reel size	Box size	Frequency	IC	Memory Size	International standard	Operating temperature	Primary Segment	Max Read range @ ETSI / FCC* [m]	ARC categories
	ECO Hanger	ECO tag	500033	52 x 32	54 x 34	38,1	60	Paper Tag	3500	28000	UHF	UCODE 8	EPC 128 bit	ISO/IEC 18000-63, EPC Gen2V2	-40 °C...+85 °C / -40 °F...+185 °F	Retail	8 / 12	A, B, C, D, F, G, I, K, M, N, Q
	ECO Hanger S	ECO tag	500063	42 x 26	44 x 28	33,02	55	Paper Tag	3500	28000	UHF	UCODE 8	EPC 128 bit	ISO/IEC 18000-63, EPC Gen2V2	-40 °C...+85 °C / -40 °F...+185 °F	Retail	6 / 9	A, B, D, G
	ECO Hook	ECO tag	500034	47 x 16	49 x 18	25,4	55	Paper Tag	5000	40000	UHF	UCODE 8	EPC 128 bit	ISO/IEC 18000-63, EPC Gen2V2	-40 °C...+85 °C / -40 °F...+185 °F	Retail	5 / 9.5	A, B, D, G
	ECO Hook S	ECO tag	500059	31 x 16	33 x 18	21,771	36	Paper Tag	5000	40000	UHF	UCODE 8	EPC 128 bit	ISO/IEC 18000-63, EPC Gen2V2	-40 °C...+85 °C / -40 °F...+185 °F	Retail	4.5 / 5.5	
	ECO Stripe	ECO tag	500054	34,1 x 18	43 x 21	25,4	46	Paper Tag	5000	40000	UHF	UCODE 8	EPC 128 bit	ISO/IEC 18000-63, EPC Gen2V2	-40 °C...+85 °C / -40 °F...+185 °F	Un-manned Retail	5 / 6	
	ECO Bumper	ECO tag	500025	94 x 24	97 x 27	30,48	100	Paper Tag	4000	16000	UHF	UCODE 8	EPC 128 bit	ISO/IEC 18000-63, EPC Gen2V2	-40 °C...+85 °C / -40 °F...+185 °F	Un-manned Retail	16 / 17	
	ECO Rack	ECO tag	500037	70 x 15	72 x 17	20	TBD	Paper Tag	5000	20000	UHF	UCODE 8	EPC 128 bit	ISO/IEC 18000-63, EPC Gen2V2	-40 °C...+85 °C / -40 °F...+185 °F	Retail	12 / 16	A, B, C, D, F, G, I, K, M, N, Q

RFID Tags for Various Applications

	Product name	ECO tag / Traditional tag	Sales code	Antenna size [mm]	Die-cut size [mm]	MD pitch [mm]	Web width [mm]	Delivery format	Reel size	Box size	Frequency	IC	Memory Size	International standard	Operating temperature	Primary Segment	Max Read range @ ETSI / FCC [m]	ARC categories
	Bobbin	Traditional tag	500002 / 500032	20	22	25,4	27	Paper Tag / Wet Inlay	4000 / 6000	32000 / 48000	NFC	NTAG 213	144 bytes	NFC Forum Type 2, ISO/IEC14443 Type A	-25 °C...+70 °C / -13 °F...+158 °F	Consumer engagement	4 cm @13.56 MHz	
	Bracket	Traditional tag	500001	49,6 x 23,5	54 x 28	38,1	60	Paper Tag	3500	28000	UHF	UCODE 7	EPC 128 bit	ISO/IEC 18000-63, EPC Gen2V2	-40 °C...+85 °C / -40 °F...+185 °F	Supply Chain	10 / 7	
	Stripe	Traditional tag	500010	32,2 x 18	43 x 21	25,4	46	Paper Tag	5000	40000	UHF	UCODE 8	EPC 128 bit	ISO/IEC 18000-63, EPC Gen2V2	-40 °C...+85 °C / -40 °F...+185 °F	Industrial Applications	3 / 6	
	Bumper	Traditional tag	500003 / 500031	94 x 24	97 x 27	30	100	Paper Tag / Wet Inlay	3500 / 5000	14000 / 20000	UHF	UCODE 8	EPC 128 bit	ISO/IEC 18000-63, EPC Gen2V2	-40 °C...+85 °C / -40 °F...+185 °F	Industrial Applications	18 / 19	
	Aero	Traditional tag	500056	30 x 70	32 x 72	76,2	165 (3-up)	Wet Inlay	18000	36000	UHF	UCODE 8	EPC 128 bit	ISO/IEC 18000-63, EPC Gen2V2	-40 °C...+85 °C / -40 °F...+185 °F	Aviation	10.5 / 19	U
	Racer	Traditional tag	500043	95 x 13	97 x 15	20	100	Wet Inlay	5000	20000	UHF	Monza R6-P	EPC 128 bit, user 32 bit	ISO/IEC 18000-63, EPC Gen2V2	-40 °C...+85 °C / -40 °F...+185 °F	Sports events	16 / 14.5	A, B, C, D, F, M, N, Q
	ECO Bumper	ECO tag	500025	94 x 24	97 x 27	30,48	100	Paper Tag	4000	16000	UHF	UCODE 8	EPC 128 bit	ISO/IEC 18000-63, EPC Gen2V2	-40 °C...+85 °C / -40 °F...+185 °F	Industrial Applications	16 / 17	
	ECO Bale	ECO tag	500021	94 x 24	97 x 27	30,48	100	Paper Tag	2000	8000	UHF	UCODE 8	EPC 128 bit	ISO/IEC 18000-63, EPC Gen2V2	-40 °C...+85 °C / -40 °F...+185 °F	Pulp	16 / 17	

* Theoretical max read range in free air measured in laboratory environment