

Thermal Transfer Ribbon

We utilize our long-term experiences and achievement of know-how that we develop and sell multifunction Thermal Transfer Ribbon.



PRINT IMAGE


 賞味期限 20XX.08.24
製造所固有記号 +EDM

Red ribbon printing

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Blue ribbon printing

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White ribbon printing

● SPECIFICATION (Outside Wound Ribbon)

Type	Material	Transfer Right Print Speed (MAX) [Speed Lv.1-5]	Toughness				Color	Features
			Scratching Resistance		Peeling Resistance	Heat Resistance		
			Waste Scratching	Carton Scratching	Tape Peeling	Boiling 30 min.		
E21A	OPP/CPP	4	5	3	1	-	Black	High sensitive type, fitting for high speed print. For film printing as well as good print quality for label and paper.
	ONY/LLDPE	4	5	2	4	1		
	PET/LLDPE	4	5	3	4	-		
	PET/AL/CPP	4	5	3	5	1		
E11D	OPP/CPP	4	5	3	5	-	Black	High sensitive type, fitting for high speed print. Good quality in tape peeling.
	ONY/LLDPE	4	4	2	5	2		
	PET/LLDPE	4	4	3	5	-		
	PET/AL/CPP	4	5	3	5	2		
E15E	OPP/CPP	4	5	5	5	-	Black	High sensitive type. Scratching resistance.
	ONY/LLDPE	3	5	5	2	3		
	PET/LLDPE	3	5	5	4	-		
	PET/AL/CPP	4	5	5	4	3		
E15X	OPP/CPP	5	5	5	5	-	Black	High sensitive type. Scratching resistance.
	ONY/LLDPE	3	5	5	2	2		
	PET/LLDPE	4	5	5	2	-		
	PET/AL/CPP	3	5	5	5	3		
E13M	OPP/CPP	4	5	5	5	-	Black White Red Blue	Scratching resistance type. Scratching resistance, oil resistance, and alcohol resistance.
	ONY/LLDPE	3	5	5	3	3		
	PET/LLDPE	4	5	5	4	-		
	PET/AL/CPP	3	5	5	3	2		
E13H	OPP/CPP	2	5	5	5	-	Black	Heat resistance type. (Boil and Retort) Scratching resistance, freezing resistance, oil resistance, and alcohol resistance.
	ONY/LLDPE	2	5	5	2	2		
	PET/LLDPE	2	5	5	3	-		
	PET/AL/CPP	3	5	5	2	2		
E13E	OPP/CPP	-	-	-	-	-	Black White	Heat resistance type. (Boil and Retort) For nylon and aluminum. Scratching resistance, freezing resistance, and oil resistance.
	ONY/LLDPE	2	5	5	5	5		
	PET/LLDPE	2	5	5	5	-		
	PET/AL/CPP	2	5	5	5	5		
E17S	OPP/CPP	-	-	-	-	-	Black	Heat resistance type.
	ONY/LLDPE	3	1	1	4	3		
	PET/LLDPE	3	5	1	4	-		
	PET/AL/CPP	3	5	1	4	3		

※This test result may not be same when using different packaging material, or environmental condition. These numbers are 5 stage system that it shows nearer 5 is superior. In the above test, we used black ones. Right print speed level is not related with the print speed setting in the printer.

※A red character part of the materials name is a printing side. Even if the materials of the printing side are the same, the evaluation varies according to surface treatment.

● SPECIFICATION (Inside Wound Ribbon)

Type	Material	Transfer	Toughness				Color	Features
		Right Print Speed (MAX) [Speed Lv.1-5]	Scratching Resistance		Peeling Resistance	Heat Resistance		
			Waste Scratching	Carton Scratching	Tape Peeling	Boiling 30 min.		
ENAR	OPP/CPP	4	5	3	1	-	Black	High sensitive type, fitting for high speed print. For film printing as well as good print quality for label and paper.
	ONY/LLDPE	4	5	2	4	1		
	PET/LLDPE	4	5	3	4	-		
	PET/AL/CPP	4	5	3	5	1		
ENDR	OPP/CPP	4	5	3	5	-	Black	High sensitive type, fitting for high speed print. Good quality in tape peeling.
	ONY/LLDPE	4	4	2	5	2		
	PET/LLDPE	4	4	3	5	-		
	PET/AL/CPP	4	5	3	5	2		
EFER	OPP/CPP	4	5	5	5	-	Black	High sensitive type. Scratching resistance.
	ONY/LLDPE	3	5	5	2	3		
	PET/LLDPE	3	5	5	4	-		
	PET/AL/CPP	4	5	5	4	3		
EFXR	OPP/CPP	5	5	5	5	-	Black	High sensitive type. Scratching resistance.
	ONY/LLDPE	3	5	5	2	2		
	PET/LLDPE	4	5	5	2	-		
	PET/AL/CPP	3	5	5	5	3		
EDMR	OPP/CPP	4	5	5	5	-	Black White Red Blue	Scratching resistance type. Scratching resistance, oil resistance, and alcohol resistance.
	ONY/LLDPE	3	5	5	3	3		
	PET/LLDPE	4	5	5	4	-		
	PET/AL/CPP	3	5	5	3	2		
EDHR	OPP/CPP	2	5	5	5	-	Black	Heat resistance type. (Boil and Retort) Scratching resistance, freezing resistance, oil resistance, and alcohol resistance.
	ONY/LLDPE	2	5	5	2	2		
	PET/LLDPE	2	5	5	3	-		
	PET/AL/CPP	3	5	5	2	2		
EDER	OPP/CPP	-	-	-	-	-	Black White	Heat resistance type. (Boil and Retort) For nylon and aluminum. Scratching resistance, freezing resistance, and oil resistance.
	ONY/LLDPE	2	5	5	5	5		
	PET/LLDPE	2	5	5	5	-		
	PET/AL/CPP	2	5	5	5	5		
EGSR	OPP/CPP	-	-	-	-	-	Black	Heat resistance type.
	ONY/LLDPE	3	1	1	4	3		
	PET/LLDPE	3	5	1	4	-		
	PET/AL/CPP	3	5	1	4	3		

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About Thermal Ribbon Handling

- Since the thermal ribbon might affect the printing (transfer) by the impact of dropping, pressure or heat, please carefully handle.
- Quality of thermal ribbon is different depending on packaging film. If condition of use is changed, please contact us.
- The warranty term of thermal ribbon is for the period of six (6) months after the date of acceptance of the delivered parts.
- Storage warranty : Normal temperature 5-35 degree / Normal humidity 20-85%



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Agency