

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



● SPECIFICATION (Outside Wound Ribbon)

Type	Material	Transfer	Toughness				Color	Features
		Print Quality	Scratching Resistance		Peeling Resistance	Heat Resistance		
		Print	Waste Scratching	Carton Scratching	Tape Peeling	Boiling 30 min.		
E21A	OPP/CPP	5	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	5	5	2	4	1		
	PET/LLDPE	5	5	3	4	-		
	PET/AL/CPP	5	5	3	5	1		
E11D	OPP/CPP	5	5	3	5	-	Black	High sensitive type, fitting for high speed print. Good quality in tape peeling.
	ONY/LLDPE	5	4	2	5	2		
	PET/LLDPE	5	4	3	5	-		
	PET/AL/CPP	5	5	3	5	2		
E15E	OPP/CPP	5	5	5	5	-	Black	High sensitive type. Scratching resistance.
	ONY/LLDPE	5	5	5	2	3		
	PET/LLDPE	5	5	5	4	-		
	PET/AL/CPP	5	5	5	4	3		
E13M	OPP/CPP	5	5	5	4	-	Black White Red Blue	Scratching resistance type. Scratching resistance, oil resistance, and alcohol resistance.
	ONY/LLDPE	5	5	5	2	2		
	PET/LLDPE	5	5	5	3	-		
	PET/AL/CPP	5	5	5	4	2		
E11E	OPP/CPP	4	1	1	1	-	Black	Heat resistance type. Maximum 600m [ribbon length].
	ONY/LLDPE	5	5	5	4	5		
	PET/LLDPE	5	5	5	4	-		
	PET/AL/CPP	4	5	1	4	4		
E13E	OPP/CPP	-	-	-	-	-	Black White	Heat resistance type. (Boil and Retort) For nylon and aluminum. Scratching resistance, freezing resistance, and oil resistance.
	ONY/LLDPE	5	5	5	5	5		
	PET/LLDPE	5	5	5	5	-		
	PET/AL/CPP	5	5	5	5	5		
E17U	OPP/CPP	5	5	4	2	-	Black	High sensitive type. Scratching resistance.
	ONY/LLDPE	5	5	4	1	3		
	PET/LLDPE	5	5	5	2	-		
	PET/AL/CPP	5	5	4	1	2		
E23L	OPP/CPP	5	1	1	5	-	Black	General purpose type.
	ONY/LLDPE	5	1	1	5	3		
	PET/LLDPE	5	1	1	5	-		
	PET/AL/CPP	5	1	1	5	3		

※This test result may not be same when using deferent packaging material, or environmental condition. These number are 5 stage system that it shows nearer 5 is superior. In the above test, we used black ones.

※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
		Print Quality	Scratching Resistance		Peeling Resistance	Heat Resistance		
		Print	Waste Scratching	Carton Scratching	Tape Peeling	Boiling 30 min.		
ENAR	OPP/CPP	5	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	5	5	2	4	1		
	PET/LLDPE	5	5	3	4	-		
	PET/AL/CPP	5	5	3	5	1		
ENDR	OPP/CPP	5	5	3	5	-	Black	High sensitive type, fitting for high speed print. Good quality in tape peeling.
	ONY/LLDPE	5	4	2	5	2		
	PET/LLDPE	5	4	3	5	-		
	PET/AL/CPP	5	5	3	5	2		
EFER	OPP/CPP	5	5	5	5	-	Black	High sensitive type. Scratching resistance.
	ONY/LLDPE	5	5	5	2	3		
	PET/LLDPE	5	5	5	4	-		
	PET/AL/CPP	5	5	5	4	3		
EDMR	OPP/CPP	5	5	5	4	-	Black White Red Blue	Scratching resistance type. Scratching resistance, oil resistance, and alcohol resistance.
	ONY/LLDPE	5	5	5	2	2		
	PET/LLDPE	5	5	5	3	-		
	PET/AL/CPP	5	5	5	4	2		
ENER	OPP/CPP	4	1	1	1	-	Black	Heat resistance type. Maximum 600m [ribbon length].
	ONY/LLDPE	5	5	5	4	5		
	PET/LLDPE	5	5	5	4	-		
	PET/AL/CPP	4	5	1	4	4		
EDER	OPP/CPP	-	-	-	-	-	Black White	Heat resistance type. (Boil and Retort) For nylon and aluminum. Scratching resistance, freezing resistance, and oil resistance.
	ONY/LLDPE	5	5	5	5	5		
	PET/LLDPE	5	5	5	5	-		
	PET/AL/CPP	5	5	5	5	5		
EGUR	OPP/CPP	5	5	4	2	-	Black	High sensitive type. Scratching resistance.
	ONY/LLDPE	5	5	4	1	3		
	PET/LLDPE	5	5	5	2	-		
	PET/AL/CPP	5	5	4	1	2		
EDLR	OPP/CPP	5	1	1	5	-	Black	General purpose type.
	ONY/LLDPE	5	1	1	5	3		
	PET/LLDPE	5	1	1	5	-		
	PET/AL/CPP	5	1	1	5	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%



5-2,3-Chome Itabashi, Itabashi-ku, Tokyo, Japan

TEL : +81-3-3964-4852 FAX : +81-3-3962-1277

URL : <http://www.edm-net.co.jp/>

Agency