

## TECHNICAL DATA SHEET

### Aluminium / PET / PVC

#### DESCRIPTION

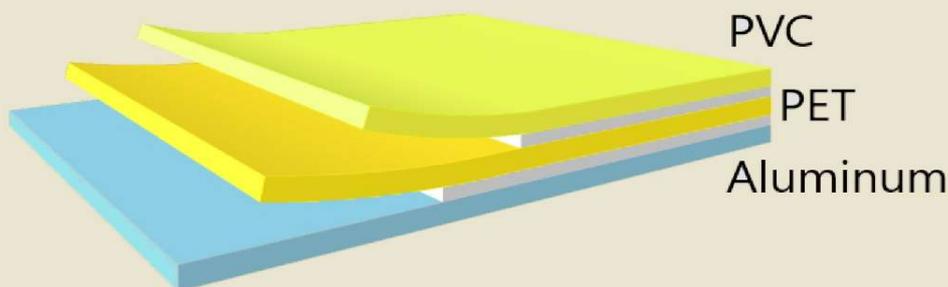
Aluminium foil laminated with polyester and an outer layer of PVC.  
The adhesive component between the two films can be coloured.

#### FEATURES

High shielding level and protection from external electromagnetic interference.

#### APPLICATION

This product is indispensable for all telecommunication cables, structured cabling, UTP networks and instrumentation.  
These tapes protect the internal conductors of the pipes from possible electromagnetic interference or prevent unwanted radiation.



COMPOSITION				TECHNICAL PROPERTIES				
Al layer (μm)	PET layer (μm)	PVC (μm)	Thickness (μm)	Tolerance	Weight (g/m <sup>2</sup> )	Yield (m <sup>2</sup> /kg)	Minimum elongation	Min. tensile strength
9	12	30	55	±10%	89	11,2	50%	90 MPa
9	23	30	66		105	9,6	70%	110 MPa
12	12	30	58		97	10,3	40%	90 MPa
25	12	30	71		132	7,6	15%	80 MPa
25	23	30	82		148	6,8	20%	90 MPa
40	12	30	86		173	5,8	15%	80 MPa

Where not indicated tolerance ± 10%

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## TECHNICAL DATA SHEET

# Aluminium / Polypropylene

### DESCRIPTION

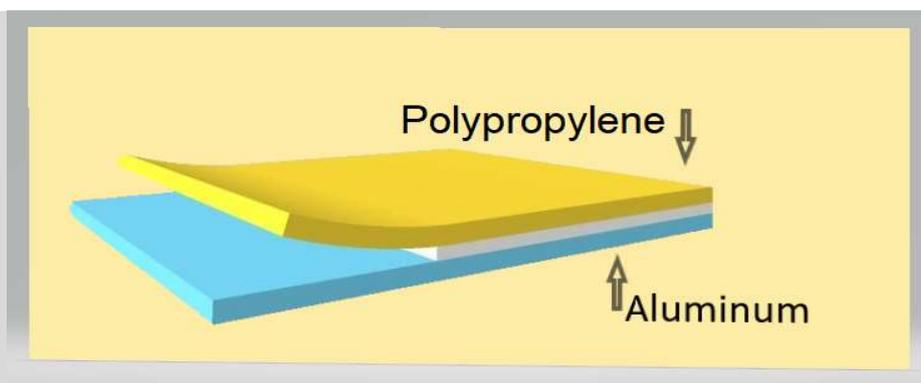
Aluminium foil laminated with a layer of polypropylene.  
The adhesive component between the two films can be coloured.

### FEATURES

Polypropylene layer ensures electric insulation and good mechanical resistance.

### APPLICATION

A typical application is in the automotive sector and in shielded instrumentation cables.



COMPOSITION				TECHNICAL PROPERTIES			
Al layer (µm)	PP layer (µm)	Thickness (µm)	Tolerance	Weight (g/m <sup>2</sup> )	Yield (m <sup>2</sup> /kg)	Minimum elongation	Min. tensile strength
9	30	41	±10%	69	14,4	70%	110 MPa
12	30	44		77	12,9	50%	100 MPa
25	30	57		113	8,9	20%	90 MPa
50	30	82		180	5,6	15%	80 MPa
100	30	132		315	3,2	6%	55 MPa

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## TECHNICAL DATA SHEET

### Aluminium / PVC

#### DESCRIPTION

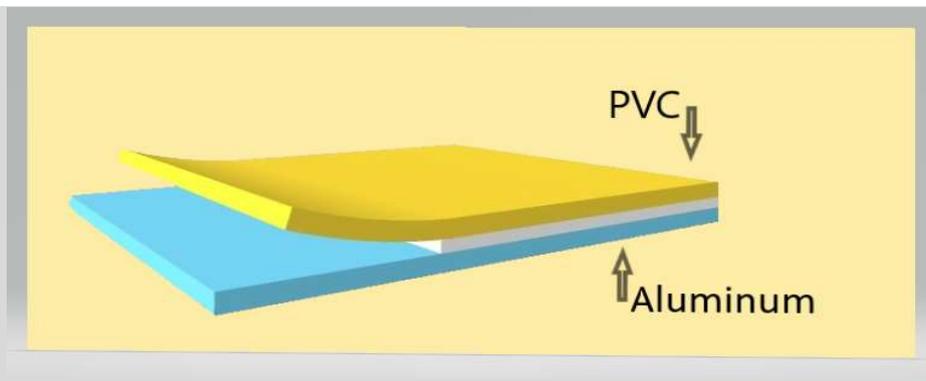
Aluminium foil laminated with a layer of PVC.  
The adhesive component between the two films can be coloured.

#### FEATURES

Excellent shielding properties due to the aluminium layer, lamination with PVC allows adhesion to the PVC layer during the extrusion process.

#### APPLICATION

A typical application is in the automotive sector and in shielded instrumentation cables.



COMPOSITION				TECHNICAL PROPERTIES			
Al layer (µm)	PET layer (µm)	Thickness (µm)	Tolerance	Weight (g/m <sup>2</sup> )	Yield (m <sup>2</sup> /kg)	Minimum elongation	Min. tensile strength
9	30	41	±10%	69	14,4	10%	55 MPa
12	30	44		77	12,9		
25	30	57	±7%	113	8,9		
50	30	82	±10%	180	5,6	8%	
100	30	132		315	3,2	6%	

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## TECHNICAL DATA SHEET

# Aluminium / PET / Aluminium

### DESCRIPTION

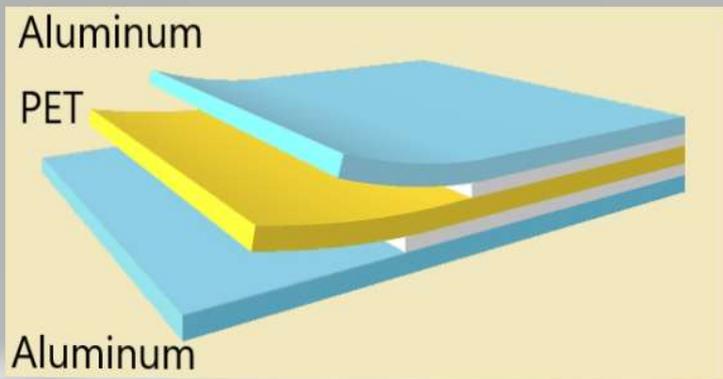
Two outer layers of aluminium, centre layer of polyester.

### FEATURES

By combining different thicknesses and structures, it guarantees the perfect functioning of electronic devices.

### APPLICATION

DALPE creates a protective barrier around conductor, preventing electromagnetic and electrostatic interference from affecting the signal quality.



COMPOSITION				TECHNICAL PROPERTIES				
Al layer (µm)	PET layer (µm)	Al layer (µm)	Thickness (µm)	Tolerance	Weight (g/m <sup>2</sup> )	Yield (m <sup>2</sup> /kg)	Min. elongation	Min. tensile strength
9	12	9	34	±17%	71	14	20%	90 MPa
9	15	9	37	±15%	76	13,2		
9	19	9	41	±14%	81	12,3		
9	19	25	57	±10%	124	8		
9	23	9	45	±12%	87	11,5		
12	15	12	43		92	10,9		
12	19	12	47	±10%	97	10,3		
12	23	12	51	±10%	103	9,7	12%	70 MPa
15	12	15	46	±12%	104	9,6		
15	23	15	57	±10%	119	8,4		
25	12	25	66		158	6,3		

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## ■ TECHNICAL DATA SHEET ■

# Aluminium / Polyester / Aluminium / Copolymer

### DESCRIPTION

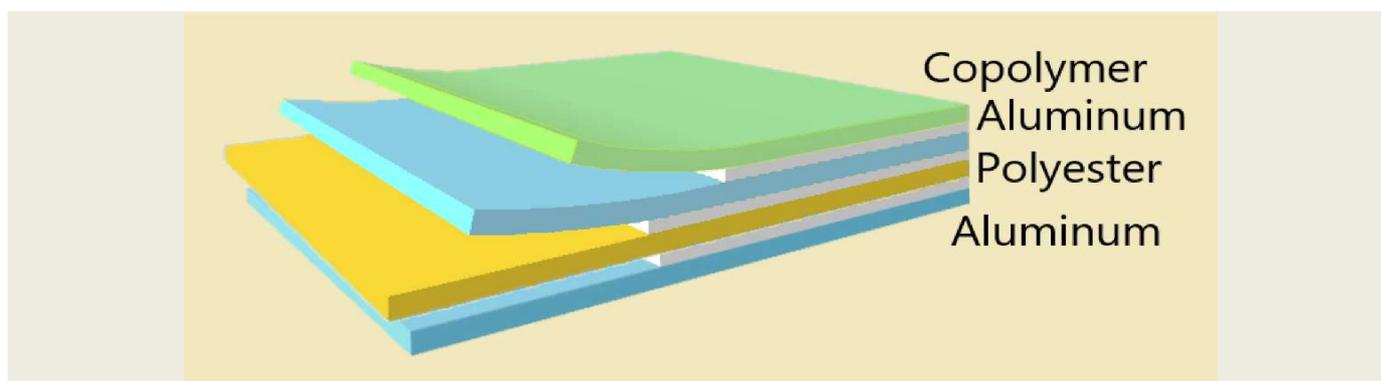
Two layers of aluminium foils, polyester between them, and an outer layer of copolymer.

### FEATURES

High shielding level and protection from external electromagnetic interference.

### APPLICATION

DALPECK creates a protective barrier around conductor, preventing electromagnetic and electrostatic interferences from affecting the signal quality.



COMPOSITION					TECHNICAL PROPERTIES				
Al layer (μm)	PET layer (μm)	Al layer (μm)	CO layer (μm)	Thickness (μm)	Tolerance	Weight (g/m <sup>2</sup> )	Yield (m <sup>2</sup> /kg)	Min. elongation	Min. tensile strength
9	12	9	25	61	±10%	97	10,3	20%	70 MPa
9	23	9	25	72		112	8,9		
12	15	12	25	70		117	8,5		
25	12	25	25	93		183	5,5	25%	50 MPa

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## ■ TECHNICAL DATA SHEET ■

# Aluminium / Polypropylen / Aluminium

### DESCRIPTION

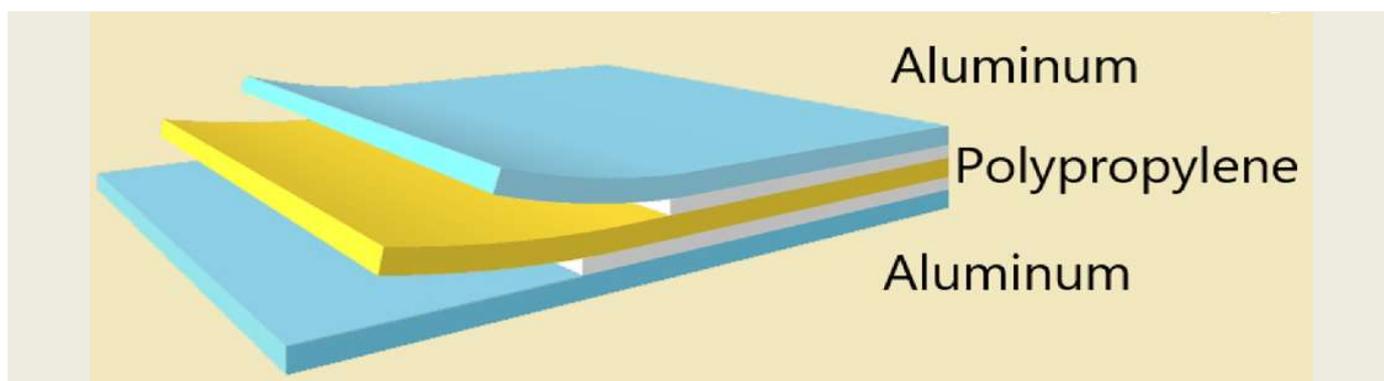
Two outer layers of aluminium, centre layer of polypropylene.

### FEATURES

High shielding level and protection from external electromagnetic interference.  
Polypropylen layer ensures electric insulation and good mechanical resistance.

### APPLICATION

DALPRO creates a protective barrier around conductor, preventing electromagnetic and electrostatic interferences from affecting the signal quality.



COMPOSITION				TECHNICAL PROPERTIES				
Al layer (µm)	PP layer (µm)	Al layer (µm)	Thickness (µm)	Tolerance	Weight (g/m <sup>2</sup> )	Yield (m <sup>2</sup> /kg)	Min. elongation	Min. tensile strength
9	30	9	52	±10%	97	10,4	20%	90 MPa
15	30	15	64		129	7,8	12%	70 MPa

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## ■ TECHNICAL DATA SHEET ■

# Aluminium / Polypropylen / Aluminium / Copolymer

### DESCRIPTION

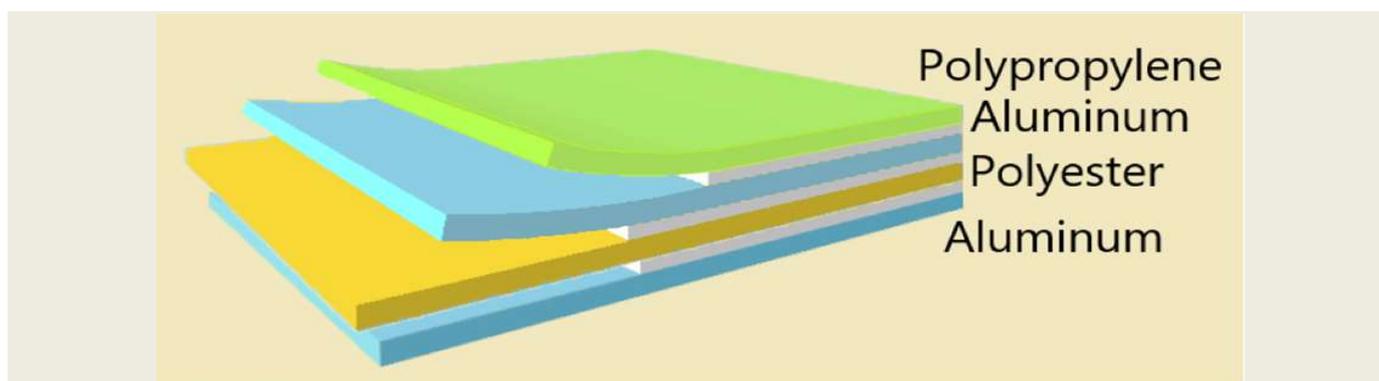
Two layers of aluminium, polypropylene between them, and an outer layer of copolymer.

### FEATURES

High shielding level and protection from external electromagnetic interference.  
Polypropylen layer ensures electric insulation and good mechanical resistance.

### APPLICATION

DALPROCK creates a protective barrier around conductor,  
preventing electromagnetic and electrostatic interferences from affecting the signal quality.



COMPOSITION					TECHNICAL PROPERTIES				
Al layer (µm)	PP layer (µm)	Al layer (µm)	CO layer (µm)	Thickness (µm)	Tolerance	Weight (g/m <sup>2</sup> )	Yield (m <sup>2</sup> /kg)	Min. elongation	Min. tensile strength
9	30	9	25	79	±10%	122	8,8	20%	90 MPa
15	30	15	25	91		155	6,9	12%	70 MPa

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## ■ TECHNICAL DATA SHEET ■

### PET / Aluminium / PET

#### DESCRIPTION

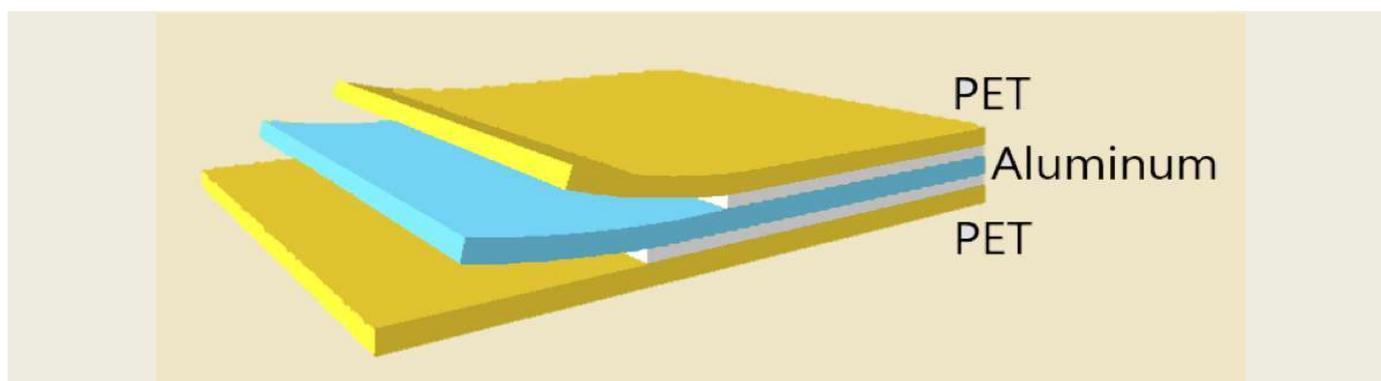
Aluminium foil laminated with two outer layers of polyester.  
The adhesive component between the two films can be coloured.

#### FEATURES

High shielding level and protection from external electromagnetic interference.

#### APPLICATION

This product is indispensable for all telecommunication cables, structured cabling, UTP networks and instrumentation.  
These tapes protect the internal conductors of the pipes from possible interference or prevent unwanted radiation.



COMPOSITION				TECHNICAL PROPERTIES				
PET layer (µm)	Al layer (µm)	PET layer (µm)	Thickness (µm)	Tolerance	Weight (g/m <sup>2</sup> )	Yield (m <sup>2</sup> /kg)	Min. elongation	Min. tensile strength
12	9	12	37	±10%	64	15,6	50%	70 MPa
23	9	23	59		95	10,6	70%	90 MPa
12	12	12	40		72	13,9	40%	70 MPa
12	25	12	53		107	9,3	15%	60 MPa
23	25	23	75		138	7,3	20%	70 MPa
12	40	12	68		148	6,8	15%	60 MPa

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## TECHNICAL DATA SHEET

### Aluminium / Copolymer

#### DESCRIPTION

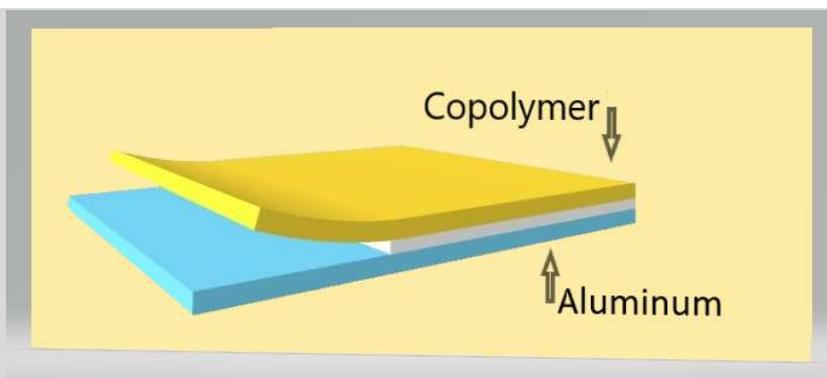
Aluminium foil laminated with a layer of copolymer film.  
The adhesive component between the two films can be coloured.

#### FEATURES

High level of shielding and protection against external electromagnetic interference.

#### APPLICATION

This product is indispensable for all telecommunication cables, structured cabling, UTP networks and instrumentation.  
These tapes protect the internal conductors of the pipes from possible interference or prevent unwanted radiation.



COMPOSITION			TECHNICAL PROPERTIES				
Al layer (µm)	CO layer (µm)	Thickness (µm)	Tolerance	Weight (g/m <sup>2</sup> )	Yield (m <sup>2</sup> /kg)	Minimum elongation	Min. tensile strength
9	25	36	±10%	50	20,1	4%	50 MPa
12	25	39		58	17,3		
25	25	52		93	10,8		
50	25	77		161	6,2	6%	60 MPa
100	25	127		296	3,4		70 MPa

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## TECHNICAL DATA SHEET

### Aluminium / PET

#### DESCRIPTION

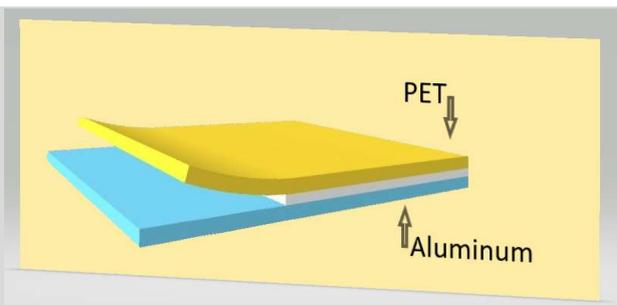
Aluminium foil laminated with a layer of polyester film.  
The adhesive component between the two films can be coloured.

#### FEATURES

High shielding level and protection from external electromagnetic interference.

#### APPLICATION

This product is indispensable for all telecommunication cables, structured cabling, UTP networks and instrumentation.  
These tapes protect the internal conductors of the pipes from possible electromagnetic interference or prevent unwanted radiation.



COMPOSITION				TECHNICAL PROPERTIES			
Al layer (µm)	PET layer (µm)	Thickness (µm)	Tolerance	Weight (g/m <sup>2</sup> )	Yield (m <sup>2</sup> /kg)	Minimum elongation	Min. tensile strength
9	12	23	±14%	44	22,7	50%	90 MPa
9	15	26	±12%	48	20,7	60%	100 MPa
9	19	30	±10%	54	18,6	70%	110 MPa
9	23	34		60	16,8		
9	36	47	±7%	78	12,9	40%	90 MPa
12	12	26	±12%	52	19,2		
12	15	29	±10%	56	17,7	50%	100 MPa
12	19	33		62	16,1		
12	23	37		68	14,8		
12	36	50		86	11,7		
15	12	29		60	16,6		
15	15	32		65	15,5		
15	19	36		70	14,3		
15	23	40		76	13,2		
25	12	39		87	11,5	15%	80 Mpa
25	15	42		92	10,9		
25	19	46	97	10,3	20%	90 MPa	
25	23	50	103	9,7			
25	36	63	121	8,3	15%	80 MPa	
37	12	51	120	8,4			
40	12	54	128	7,8			
40	15	57	132	7,6			
40	23	65	143	7			
40	36	78	161	6,2			
50	12	64	155	6,5			
50	15	67	159	6,3			
50	23	75	170	5,9			
50	36	88	188	5,3			

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## ■ TECHNICAL DATA SHEET ■

# Aluminium / PET / Copolymer

### DESCRIPTION

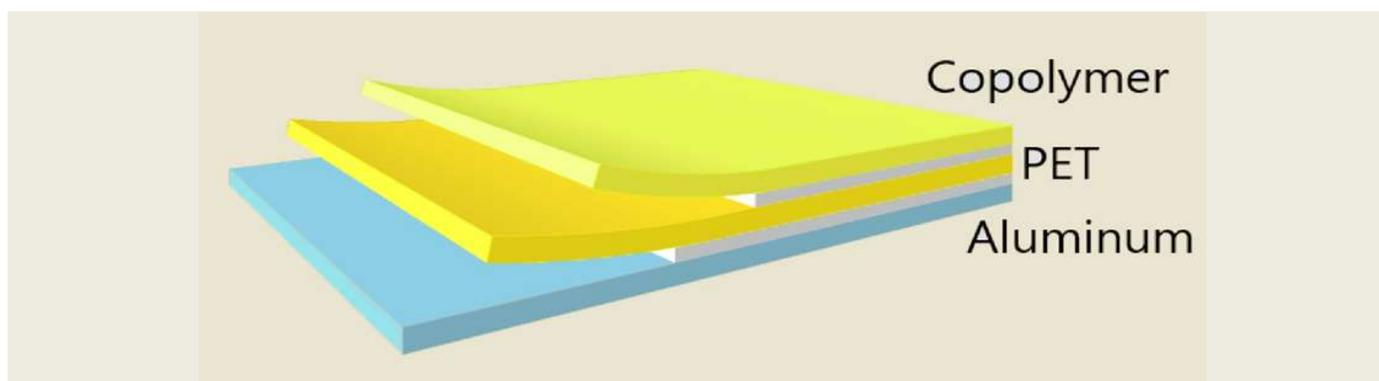
Aluminium foil laminated with polyester and an outer layer of sealable copolymer.  
The adhesive component between the two films can be coloured.

### FEATURES

High shielding level and protection from external electromagnetic interference.

### APPLICATION

This product is indispensable for all telecommunication cables, structured cabling, UTP networks and instrumentation.  
These tapes protect the internal conductors of the pipes from possible electromagnetic interference or prevent unwanted radiation.



COMPOSITION					TECHNICAL PROPERTIES				
Al layer (µm)	PET layer (µm)	CO (µm)	Thickness (µm)	Tolerance	Weight (g/m <sup>2</sup> )	Yield (m <sup>2</sup> /kg)	Minimum elongation	Min. tensile strength	
9	12	25	50	±10%	70	14,4	20%	60 MPa	
9	23	25	61		85	11,8	30%	80 MPa	
12	12	25	53		78	12,9	20%	60 MPa	
25	12	25	66		113	8,9	8%	50 MPa	
25	23	25	77		128	7,8	5%	60 MPa	

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