

# **Anti-root Non-woven PET Composite Copper Foil**

### **Description**

Non-woven PET composite copper foil is made from metal copper foil composited with filament non-woven PET. The composite has excellent resistance to plant roots and adhesivity with waterproof membranes such as SBS or PE, etc. It has strong mechanical properties, tensile strength, and long life service.

#### **Features**

- Excellent anti-root and dimensionally stability.
- ◆ Durable, lay-flat, strong tensile strength
- High tear strength, chemically inert, Eco-friendly.
- Good adhesion properties with SBS or other waterproof layers

### Uses

- · Carcass for anti root waterproof materials.
- Roof gardens, planting roofs, underground backfilled structures of residential and commercial buildings
- Parking lots, retaining walls, plant boxes



Specification: GB/T18840-2002

Unit area weight, g/m <sup>2</sup>		220	260	280
Length, m		1000	900	800
2 Copper foil thickness, mm ≥		0.018	0.018	0.018
Non woven PET, g/ m <sup>2</sup>		100	100	100
Thickness, mm≥		1.3-1.4	1.4-1.5	1.5-1.6
Tensile strength	MD	650	800	900
N/5cm ≥	CD	600	800	850
6 Elongation at break %	MD	35	40	40
	CD	35	40	40
7 Tear strength, N	MD	400	500	600
	CD	400	500	600
Width, mm		1020		
Moisture content, %≤		1.5		
CV value, %≤		8.0		
1 Shrinkage at 20°C, % ≤		1.5		
Bending resistance, R35mm		No break, no kink mark		
Appearance		Smooth, no phozy, no kink mark		
	Unit area weight, g/m² Length, m  Copper foil thickness, m  Non woven PET, g/ m² Thickness, mm≥  Tensile strength N/5cm ≥  Elongation at break %  Tear strength, N  Width, mm  Moisture content, % ≤ CV value, % ≤ Shrinkage at 20°C, % ≤ Bending resistance, R	Length, m  Copper foil thickness, mm ≥  Non woven PET, g/ m²  Thickness, mm≥  Tensile strength N/5cm ≥  Elongation at break %  CD  Tear strength, N  MD  CD  Width, mm  Moisture content, % ≤  CV value, % ≤  Shrinkage at 20°C, % ≤  Bending resistance, R35mm	Unit area weight, g/m² $220$ Length, m $1000$ Copper foil thickness, mm ≥ $0.018$ Non woven PET, g/ m² $100$ Thickness, mm≥ $1.3-1.4$ Tensile strength N/5cm ≥ $MD$ $650$ Elongation at break % $MD$ $35$ CD $35$ Tear strength, N $MD$ $400$ Width, mm $MD$ $A00$ Width, mm $A00$ Moisture content, % ≤ $A00$ CV value, % ≤ $A00$ Shrinkage at $A00$ , % ≤ $A00$ Bending resistance, R35mm $A00$	Unit area weight, g/m²       220       260         Length, m       1000       900         Copper foil thickness, mm ≥       0.018       0.018         Non woven PET, g/ m²       100       100         Thickness, mm≥       1.3-1.4       1.4-1.5         Tensile strength N/5cm ≥       MD       650       800         Elongation at break %       MD       35       40         CD       35       40       400         Tear strength, N       MD       400       500         Width, mm       1020         Moisture content, % ≤       1.5         CV value, % ≤       8.0         Shrinkage at 20°C, % ≤       1.5         Bending resistance, R35mm       No break, no kink ma

## Packing and storage

1 roll in one pallet.

Store away from sources of punctures and physical damage. Keep dry and store away from ignition sources and open flame.

Shelf Life: Unlimited