

# Carbon Filled Polyethylene Film

**Formula:** PE

**Thickness:** 0.08mm

**Length 1:** 100mm

**Length 2:** 100mm

**Type:** Conductive polymer

**UOM Code:** 285-882-69

**SKU:** 1000085787-group

**Product Code:** ET33-FM-000180

## Material Properties for Polymers

### Chemical Resistance

Element	Value
Acids - concentrated	Fair
Acids - dilute	Good
Alcohols	Good
Ketones	Fair

### Physical Properties

Element	Value
Resistance to Ultra-violet	Good
Density( gcm <sup>3</sup> )	0.96

### Mechanical Properties

Element	Value
Tensile strength( MPa )	20

### Electrical Properties

Element	Value
Surface resistivity( Ohm/sq )	10 <sup>3</sup> -10 <sup>7</sup>
Volume resistivity( Ohmcm )	10 <sup>7</sup>