

SUMILITE® PVC VSS-ET110

Polyvinyl Chloride
Sumitomo Bakelite Co., Ltd.

Message:

SUMILITE®PVC VSS-ET110 is a polyvinyl chloride product. It is available in North America, Europe or Asia Pacific. SUMILITE®The application fields of PVC VSS-ET110 include wires and cables and movies.

Features include:

- Flame Retardant
- Electromagnetic shielding (EMI)
- Good processability
- Good dimensional stability
- Heat resistance

General Information			
Features	Good dimensional stability		
	Electromagnetic shielding (EMI)		
	Excellent printability		
	Workability, good		
	Heat resistance, medium		
	Bromine-free		
	Flame retardancy		
Uses	Films		
	Insulating material		
Forms	Films		
	Sheet		
Physical	Nominal Value	Unit	Test Method
Water Absorption (23°C, 24 hr)	0.040	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	150		ISO 2039-2
Films	Nominal Value	Unit	Test Method
Tensile Strength			ISO 527-3
MD	62.0	MPa	ISO 527-3
TD	57.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Fracture	90	%	ISO 527-3
TD: Fracture	70	%	ISO 527-3
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180
-20°C	3.6	kJ/m²	ISO 180

23°C	4.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	105	°C	ISO 306
Ball Indentation Temperature	90.0	°C	IEC 60598-1
CLTE - Flow	7.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity	2.0E+16	ohms·cm	IEC 60093
Dielectric Constant			IEC 60250
1 kHz	2.93		IEC 60250
10 kHz	2.85		IEC 60250
100 kHz	2.79		IEC 60250
1 MHz	2.76		IEC 60250
Dissipation Factor			IEC 60250
1 kHz	0.017		IEC 60250
10 kHz	0.018		IEC 60250
100 kHz	0.019		IEC 60250
1 MHz	0.021		IEC 60250
Additional Information			

Bending Strength, JIS K7203, MD: 90 MPa Arc Resistivity, JIS K6911: 4 sec All values were tested in accordance with JIS standards. ET = Thinner gauge grade (less than 0.2 mm).

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