

SUMILITE® PVC VSS-HT200

Polyvinyl Chloride

Sumitomo Bakelite Co., Ltd.

Message:

SUMILITE® PVC VSS-HT200 is a polyvinyl chloride product. It is available in North America, Europe or Asia Pacific. SUMILITE® The application fields of PVC VSS-HT200 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	65.0	MPa	ISO 527-3
TD	63.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Fracture	85	%	ISO 527-3
TD: Fracture	50	%	ISO 527-3
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180
-20°C	3.4	kJ/m ²	ISO 180

23°C	4.4	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	105	°C	ISO 306
Ball Indentation Temperature	95.0	°C	IEC 60598-1
CLTE - Flow	5.9E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity	3.0E+16	ohms·cm	IEC 60093
Dielectric Constant			IEC 60250
1 kHz	2.94		IEC 60250
10 kHz	2.91		IEC 60250
100 kHz	2.85		IEC 60250
1 MHz	2.83		IEC 60250
Dissipation Factor			IEC 60250
1 kHz	0.015		IEC 60250
10 kHz	0.016		IEC 60250
100 kHz	0.016		IEC 60250
1 MHz	0.019		IEC 60250

Additional Information

Bending Strength, JIS K7203, MD: 87 MPa Arc Resistivity, JIS K6911: 4 sec All values were tested in accordance with JIS standards.

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