

SUMILITE® PVC VSS-HT210

Polyvinyl Chloride
Sumitomo Bakelite Co., Ltd.

Message:

SUMILITE®PVC VSS-HT210 is a polyvinyl chloride product. It is available in North America, Europe or Asia Pacific. SUMILITE®The application fields of PVC VSS-HT210 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, high		
	Bromine-free		
	Flame retardancy		
Uses	Films		
	Insulating material		
Forms	Films		
	Sheet		
Physical	Nominal Value	Unit	Test Method
Water Absorption (23°C, 24 hr)	0.050	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	160		ISO 2039-2
Films	Nominal Value	Unit	Test Method
Tensile Strength			ISO 527-3
MD	62.0	MPa	ISO 527-3
TD	59.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Fracture	80	%	ISO 527-3
TD: Fracture	50	%	ISO 527-3
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180
-20°C	3.7	kJ/m ²	ISO 180

23°C	4.9	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	125	°C	ISO 306
Ball Indentation Temperature	105	°C	IEC 60598-1
CLTE - Flow	7.1E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	7.0E+16	ohms	IEC 60093
Volume Resistivity	7.0E+16	ohms·cm	IEC 60093
Dielectric Constant			IEC 60250
1 kHz	2.85		IEC 60250
10 kHz	2.82		IEC 60250
100 kHz	2.75		IEC 60250
1 MHz	2.75		IEC 60250
Dissipation Factor			IEC 60250
1 kHz	0.012		IEC 60250
10 kHz	0.012		IEC 60250
100 kHz	0.012		IEC 60250
1 MHz	0.015		IEC 60250
Additional Information			

Bending Strength, JIS K7203, MD: 78 MPaArc Resistivity, JIS K6911: 4 secAll values were tested in accordance with JIS standards.

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

