

Sinvicomp SIZ4306

Flexible Polyvinyl Chloride

Teknor Apex Asia Pacific PTE. LTD.

Message:

"Sinvicomp" SIZ 4306 is a wire & cable polyvinylchloride compound available in pellet form. SIZ 4306 provides good performance for insulation of electrical wires.

General Information			
Uses	Insulating material		
Cable Type (BS 6746)	TI1		
	TI2		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.30	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	88		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	20.0	MPa	IEC 60811-1-1
Tensile Elongation (Break)	250	%	IEC 60811-1-1
Aging	Nominal Value	Unit	Test Method
Changes in mechanical properties after hot air aging test, 80°C, 168 hr ²			IEC 811-1-2
Tensile strength change	10	%	IEC 811-1-2
Change in tensile elongation	12	%	IEC 811-1-2
Thermal	Nominal Value	Unit	Test Method
Thermal deformation-120°C, 1hr (120°C)	30	%	BS 6746
Thermal Stability (200°C)	1.4	hr	BS 2782
Loss of Mass - 7 days, 80±2°C ³ (80°C)	1.00	mg/cm ²	IEC 811-3-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (20°C)	1.0E+14	ohms · cm	BS 2782
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	29	%	ASTM D2863
Additional Information	Nominal Value	Unit	Test Method

Typical temperature profile for processing SINVICOMP compound is from 160°C to 180°C. The optimum temperatures depend on the type of machine as well as screw design being used to process SINVICOMP. Feeding zone: 160°C Compression zone: 160°C~170°C Mixing zone: 170°C~180°C Nozzle/Die Zone: 180°C

NOTE	
1.	@23°C

2.	80±2°C
3.	7 days, 80±2°C

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