

Sinvicomp SIZ5306

Flexible Polyvinyl Chloride

Teknor Apex Asia Pacific PTE. LTD.

Message:

"Sinvicomp" SIZ 5306 is a wire & cable polyvinylchloride compound available in pellet form. SIZ 5306 provides good performance for insulation of electrical wires.

General Information			
Uses	Insulating material		
Cable Type (BS 6746)	T11		
	T12		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.44	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	17.0	MPa	IEC 811-1-1
Tensile Elongation (Break)	280	%	IEC 811-1-1
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	15	%	IEC 811-1-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (20°C)	1.0E+14	ohms · cm	BS 2782
Additional Information	Nominal Value	Unit	Test Method
Loss of Mass - Oven Ageing Condition @ 80 ± 2°C for 7 days	1.20	mg/cm ²	IEC 811-3-2
Typical temperature profile for SINVICOMP compound is from 160°C to 170°C. The optimum temperatures depend on the type of machine as well as screw design being used to process SINVICOMP. Feeding zone: 150°C Mixing zone: 160°C~165°C Metering zone: 165°C~170°C Nozzle/Die Zone: 170°C			
NOTE			
1.	@ 23°C		
2.	@ 80 ± 2°C		

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