

Sinvicomp SZF5009C

Flexible Polyvinyl Chloride

Teknor Apex Asia Pacific PTE. LTD.

Message:

"Sinvicomp"SZF 5009C is a wire & cable polyvinylchloride compound available in pellet form. SZF 5009C provides good performance for jacketing of cables.

General Information			
Uses	Wire sheath		
Cable Type (IEC 60502)	ST1		
	ST2		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	15.0	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, 100°C, 168 hr ¹			IEC 811-1-2
Tensile strength change	10	%	IEC 811-1-2
Change in tensile elongation	15	%	IEC 811-1-2
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-16.0	°C	ASTM D746
Thermal deformation-120°C, 1hr (120°C)	25	%	BS 6469
Emission - HCL	12	%	IEC 60754-1
Loss of Mass - 7 days, 100±2°C ² (100°C)	1.40	mg/cm ²	IEC 811-3-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (20°C)	1.0E+13	ohms · cm	BS 2782
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	32	%	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~175°C Mixing zone: 175°C~185°C Nozzle/Die Zone: 185°C

NOTE

1.	100±2°C
2.	7 days, 100±2°C

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