

Sinvicomp SSZ6309

Flexible Polyvinyl Chloride

Teknor Apex Asia Pacific PTE. LTD.

Message:

"Sinvicomp"SSZ 6309 is a wire & cable polyvinylchloride compound available in pellet form. SSZ 6309 provides good performance for jacketing of cables.

General Information			
Uses	Wire sheath		
Cable Type (BS 6746)	TM1		
	TM2		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	78		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	14.0	MPa	IEC 60811-1-1
Tensile Elongation (Break)	250	%	IEC 60811-1-1
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength ¹ (70°C, 4 hr, in IRM 902 Oil)	15	%	IEC 60811-2-1
Change in Ultimate Elongation ² (70°C, 4 hr, in IRM 902 Oil)	25	%	IEC 60811-2-1
Changes in mechanical properties after hot air aging test, 80°C, 168 hr ³			IEC 811-1-2
Tensile strength change	5	%	IEC 811-1-2
Change in tensile elongation	10	%	IEC 811-1-2
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-28.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (20°C)	1.0E+13	ohms · cm	BS 2782
Additional Information	Nominal Value	Unit	Test Method
Loss of Mass - 7 days, 80±2°C ⁴ (80°C)	0.500	mg/cm ²	IEC 811-3-2

Typical temperature profile for processing SINVICOMP compound is from 150°C to 175°C. The optimum temperatures depend on the type of machine as well as screw design being used to process SINVICOMP. Feeding zone: 150°C Compression zone: 160°C~170°C Mixing zone: 170°C~175°C Nozzle/Die Zone: 175°C

NOTE	
1.	70±2°C
2.	70±2°C

3.	80±2°C
4.	7 days, 80±2°C

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