

Sinvicomp SIZ4809

Rigid Polyvinyl Chloride

Teknor Apex Asia Pacific PTE. LTD.

Message:

SINVICOMP SIZ4809 is a rigid polyvinyl chloride material. This product is available in the Asia-Pacific region and is processed by extrusion. The main features of SINVICOMP SIZ4809 are: ROHS certification.
The typical application field of SINVICOMP SIZ4809 is: wire and cable

General Information			
Uses	Electrical conductor insulation material		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	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	17.0	MPa	IEC 811-1-1
Tensile Elongation (Break)	250	%	IEC 811-1-1
Aging	Nominal Value	Unit	Test Method
Changes in mechanical properties after hot air aging test, 168 hr ¹			IEC 60811
Tensile strength change	10	%	IEC 60811
Change in tensile elongation	20	%	IEC 60811
Thermal	Nominal Value	Unit	Test Method
Thermal deformation-@ 120°C for 1 hr	15	%	BS 6746
Thermal stability-Congo Red (190°C)	> 1	hr	BS 2782
Loss of Mass - Oven Ageing Condition @ 100 ± 2°C for 7 days ²	1.70	mg/cm ²	IEC 811-3-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	2.0E+14	ohms · cm	BS 2782 230A
Additional Information	Nominal Value	Unit	Test Method

Typical temperature profile for 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.	@ 100 ± 2°C
2.	Method: IEC60811-3-2

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