

Sinvicomp SZF4869C

Flexible Polyvinyl Chloride

Teknor Apex Asia Pacific PTE. LTD.

Message:

SINVICOMP SZF4869C is a flexible polyvinyl chloride material. This product is available in the Asia-Pacific region and is processed by extrusion. The main features of SINVICOMP SZF4869C are: ROHS certification.
The typical application field of SINVICOMP SZF4869C is: wire and cable

General Information			
Uses	Electrical wire sheath material		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.47	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 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 ²			IEC 60811
Tensile strength change	5	%	IEC 60811
Change in tensile elongation	10	%	IEC 60811
Thermal	Nominal Value	Unit	Test Method
Low Temperature Brittleness	-18	°C	ASTM D746
Thermal deformation-@ 120°C for 1hr	20	%	BS 6469 99.1
Loss of Mass - Oven Ageing Condition @ 100 ± 2°C for 7 days	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 230A
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	32	%	ASTM D2863
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 Mixing zone: 160°C~170°C Metering zone: 170°C~180°C Nozzle/Die Zone: 180°C

NOTE	
1.	@23°C
2.	@ 100 ± 2°C

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

