

# Sinvicomp SZF4869C

Teknor Apex Asia Pacific PTE. LTD. - Flexible Polyvinyl Chloride

Thursday, August 29, 2019

## General Information

### General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Uses	• Appliance Wire Jacketing
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Extrusion

## ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity <sup>2</sup>	1.47		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2180	psi	IEC 811-1-1
Tensile Elongation (Break)	250	%	IEC 811-1-1
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Hot Deformation - @ 120°C for 1hr	20	%	BS 6469 99.1
Low Temperature Brittleness	-18.0	°C	ASTM D746
Aging	Nominal Value	Unit	Test Method
Mechanical Properties After Aging in Air Oven, 168 hr <sup>3</sup>			IEC 60811
Change in Tensile Elongation	10	%	
Change in Tensile Strength	5	%	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (68°F)	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
Loss of Mass - Oven Ageing Condition @ 100 ± 2°C for 7 days	1.40	mg/cm <sup>2</sup>	IEC 811-3-2

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

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> @23°C

<sup>3</sup> @ 100 ± 2°C

Revision Date: 10/9/2014

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