

# Sinvicomp SI24501S

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

Thursday, August 29, 2019

## General Information

General	
Material Status	• Commercial: Active
Availability	• Asia Pacific
Uses	• Insulation
Wire Types <sup>1</sup>	• C
Wire Types <sup>2</sup>	• T11
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Extrusion

## ASTM & ISO Properties <sup>3</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity <sup>4</sup>	1.49		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2320	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
Aging	Nominal Value	Unit	Test Method
Mechanical Properties After Aging in Air Oven, 168 hr <sup>5</sup>			IEC 811-1-2
Change in Tensile Elongation	12	%	
Change in Tensile Strength	10	%	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (68°F)	1.0E+14	ohms·cm	BS 2782 230A
Additional Information	Nominal Value	Unit	Test Method
Loss of Mass - Oven Ageing Condition @ 80 ± 2°C for 7 days	1.00	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> IEC60227-1  
<sup>2</sup> BS/EN50363  
<sup>3</sup> Typical properties: these are not to be construed as specifications.  
<sup>4</sup> @ 23°C  
<sup>5</sup> @ 80 ± 2°C

Revision Date: 4/17/2019

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchasers assume all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or by others. There is no warranty of merchantability and there are no other warranties for the products described.