

# Sinvicomp SIZ5065

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

Thursday, August 29, 2019

## General Information

### Product Description

"Sinvicomp" SIZ 5065 is a wire & cable polyvinylchloride compound available in pellet form. SIZ 5065 provides good performance for insulation of electrical wires.

### General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• High Stiffness
Uses	• Insulation
Forms	• Pellets
Processing Method	• Extrusion

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity <sup>2</sup>	1.32		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2760	psi	ASTM D638
Tensile Elongation (Break)	320	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	41		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	28	%	ASTM D2863

### Additional Information

Typical temperature profile for processing SINVICOMP compound is from 160°C to 185°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: 185°C

### Notes

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

<sup>2</sup> @ 23°C

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