

# Sinvicomp SZN6028A

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

Thursday, August 29, 2019

## General Information

### Product Description

"Sinvicomp" SZN 6028A is a wire & cable polyvinylchloride compound available in pellet form. SZN 6028A provides good abrasion and chemical resistance to jacketing of cables.

### General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Abrasion Resistant • Chemical Resistant
Uses	• Wire Jacketing
Wire Types (AS 3147/3191)	• 5V-90
Forms	• Pellets
Processing Method	• Extrusion

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.30		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2470	psi	IEC 60811-1-1
Tensile Elongation (Break)	350	%	IEC 60811-1-1
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	75		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Hot Deformation - 120°C, 1hr (248°F)	45	%	BS 6469
Aging	Nominal Value	Unit	Test Method
Mechanical Properties After Aging in Air Oven, 239°F, 504 hr <sup>2</sup>			AS 3147/3191
Change in Tensile Elongation	30	%	
Change in Tensile Strength	10	%	
Additional Information	Nominal Value	Unit	Test Method
Loss of Mass - 115±2°C, 5days <sup>3</sup> (239°F)	1.20	mg/cm <sup>2</sup>	BS 2782

Typical temperature profile for processing 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

### Notes

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

<sup>2</sup> 115±2°C

<sup>3</sup> 115±2°C, 5days, BS2782:1970

Revision Date: 10/9/2014

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