

Sinvicomp SIZ7008A

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

Thursday, August 29, 2019

General Information

Product Description

"Sinvicomp" SIZ 7008A is a wire & cable polyvinylchloride compound available in pellet form. SIZ 7008A provides good performance for insulation and jacketing of electrical wires.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Uses	• Insulation • Wire Jacketing
Wire Types (AS 3147/3191)	• 5V-90 • V-90
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.36		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2180	psi	IEC 811-1-1
Tensile Elongation (Break)	300	%	IEC 60811-1-1
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	75		ASTM D2240
Aging	Nominal Value	Unit	Test Method
Mechanical Properties After Aging in Air Oven, 239°F, 504 hr ²			AS 3147/3191
Change in Tensile Elongation	20	%	
Change in Tensile Strength	10	%	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (68°F)	5.0E+13	ohms·cm	BS 2782
Additional Information	Nominal Value	Unit	Test Method
Loss of Mass - 115±2°C, 5 days ³ (239°F)	1.50	mg/cm ²	AS 3147/3191

Typical temperature profile for processing SINVICOMP compound is from 140°C to 160°C. The optimum temperatures depend on the type of machine as well as screw design being used to process SINVICOMP.

Feeding zone: 150°C~160°C
Compression zone: 160°C~170°C
Mixing zone: 170°C~180°C
Nozzle/Die Zone: 180°C

Notes

¹ Typical properties: these are not to be construed as specifications.

² 115±2°C

³ 115±2°C, 5 days