



Sinvicomp SIZ4905

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

General Information

Product Description

"Sinvicomp" SIZ 4905 is a wire & cable polyvinylchloride compound available in pellet form. SIZ 4905 provides good performance for insulation of electrical wires.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific		
Features	• High Stiffness		
Uses	• Insulation		
Wire Types (UL 758)	• AWM	• UL Style 1007	• UL Style 1015
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity ²	1.40		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2610	psi	IEC 811-1-1
Tensile Elongation (Break)	300	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	91		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (68°F)	2.0E+14	ohms·cm	BS 2782
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	29	%	ASTM D2863

Additional Information

Typical temperature profile for processing SINVICOMP compound is from 140°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

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

² @ 23°C