



Sinvicomp SI25908A-1

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

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific		
Uses	• Insulation	• Wire Jacketing	
Wire Types (AS/NZS 3808)	• 5V-90	• V-90	
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.40		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2320	psi	AS/NZS 1660
Tensile Elongation (Break)	310	%	AS/NZS 1660
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	82		ASTM D2240
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (239°F, 504 hr)	6.0	%	AS/NZS 1660
Change in Ultimate Elongation (239°F, 504 hr)	15	%	AS/NZS 1660
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 - 5 Days (239°F)	1.20	mg/cm ²	AS/NZS 1660

Typical temperature profile for this SINVICOMP compound is from 145°C to 170°C, and its melt temperature at cross head exit is recommended to be in the range of 172°C to 178°C. The optimum temperatures depend on the type of machine as well as screw design being used to process SINVICOMP.

Feeding zone: 145°C~150°C
Compression zone: 155°C~160°C
Mixing zone: 160°C~165°C
Nozzle/Die Zone: 160 - 170°C

Notes

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