

## - Flexible Polyvinyl Chloride

Friday, June 30, 2017

### General Information

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Material Status	• Commercial: Active
Availability	• Asia Pacific
Uses	• Appliance Wire Insulation
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Extrusion

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity <sup>2</sup>	1.49		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2470	psi	IEC 811-1-1
Tensile Elongation (Break)	250	%	IEC 811-1-1
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		ASTM D2240
Aging	Nominal Value	Unit	Test Method
Mechanical Properties After Aging in Air Oven, 168 hr <sup>3</sup>			IEC 811-1-2
Change in Tensile Elongation	12	%	
Change in Tensile Strength	10	%	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (68°F)	2.0E+14	ohms·cm	BS 2782 230A
Additional Information	Nominal Value	Unit	Test Method
Loss of Mass - Oven Ageing Condition @ 80 ± 2°C for 7 days	1.20	mg/cm <sup>2</sup>	IEC 811-3-2

Typical temperature profile for 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  
 Mixing zone: 160°C~170°C  
 Metering 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> @ 23°C

<sup>3</sup> @ 80 ± 2°C

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