



- 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 ¹				
Physical	Nominal Value	Unit	Test Method	
Specific Gravity ²	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 ³			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 ²	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

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

² @ 23°C

³ @ 80 ± 2°C

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