

- Flexible Polyvinyl Chloride

Thursday, June 29, 2017

General Information

General

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

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity ²	1.44		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2320	psi	IEC 811-1-1
Tensile Elongation (Break)	300	%	IEC 811-1-1
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	74		ASTM D2240
Aging	Nominal Value	Unit	Test Method
Mechanical Properties After Aging in Air Oven, 168 hr ³			IEC 60811
Change in Tensile Elongation	10	%	
Change in Tensile Strength	10	%	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (68°F)	1.0E+13	ohms·cm	BS 2782 230A
Additional Information	Nominal Value	Unit	Test Method
Loss of Mass - Oven Ageing Condition @ 80 ± 2°C for 7 days	1.40	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
 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 @ 23°C

³ @ 80 ± 2°C

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