

Sinvicomp SIZ5305

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

Thursday, August 29, 2019

General Information

Product Description

"Sinvicomp" SIZ 5305 is a wire & cable polyvinylchloride compound available in pellet form. SIZ 5035 provides good performance for insulation of electrical wires.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• High Stiffness
Uses	• Insulation
Agency Ratings	• IEC 60227 ¹
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties ²

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.45		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2320	psi	IEC 60811-1-1
Tensile Elongation (Break)	250	%	IEC 60811-1-1
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	91		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Heat Stability (392°F)	3.5	hr	BS 2782
Aging	Nominal Value	Unit	Test Method
Mechanical Properties After Aging in Air Oven, 277°F, 240 hr ³			IEC 811-1-2
Change in Tensile Elongation	15	%	
Change in Tensile Strength	10	%	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (68°F)	1.0E+14	ohms·cm	BS 2782

Additional Information

Typical temperature profile for processing SINVICOMP compound is from 160°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: 170°C~180°C
 Mixing zone: 175°C~185°C
 Nozzle/Die Zone: 185°C

Notes

¹ PVC/E

² Typical properties: these are not to be construed as specifications.

³ 136±2°C

Revision Date: 5/2/2014

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