Sinvicomp SIZ5305

Flexible Polyvinyl Chloride

Teknor Apex Asia Pacific PTE. LTD.

Message:

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

General Information			
Features	Rigidity, high		
Uses	Insulating material		
Agency Ratings	IEC 60227 2		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	91		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	16.0	MPa	IEC 60811-1-1
Tensile Elongation (Break)	250	%	IEC 60811-1-1
Aging	Nominal Value	Unit	Test Method
Changes in mechanical properties after hot air aging test, 136°C, 240 hr [1]			IEC 811-1-2
Tensile strength change	10	%	IEC 811-1-2
Change in tensile elongation	15	%	IEC 811-1-2
Thermal	Nominal Value	Unit	Test Method
Thermal Stability (200°C)	3.5	hr	BS 2782
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (20°C)	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°CCompression zone: 170°C~180°CMixing zone: 175°C~185°CNozzle/Die Zone: 185°C

NOTE

1.   136±2°C

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