TEKNOR APEX

Sinvicomp SSZ3708

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

Thursday, August 29, 2019

General Information

Product Description

"Sinvicomp"SSZ 3708 is a wire & cable polyvinylchloride compound available in pellet form. SSZ 3708 meets the requirements for AVSS PVC compound.

General	
Material Status	• Commercial: Active
Availability	• Asia Pacific
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.32		ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	3630	psi	IEC 60811-1-1
Tensile Elongation (Break)	320	%	IEC 60811-1-1
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	48		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	-13.0	°F	ASTM D746
Aging	**Nominal Value**	**Unit**	**Test Method**
Change in Tensile Strength [2]			IEC 60811-2-1
158°F, 4 hr, in IRM 902 Oil	10	%	
Change in Ultimate Elongation [2]			IEC 60811-2-1
158°F, 4 hr, in IRM 902 Oil	15	%	
Mechanical Properties After Aging in Air Oven, 212°F, 120 hr [3]			IEC 811-1-2
Change in Tensile Elongation	10	%	
Change in Tensile Strength	10	%	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity (68°F)	6.0E+13	ohms·cm	BS 2782
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Loss of Mass - 5 days, 100±2°C [4] (212°F)	1.00	mg/cm²	IEC 811-3-2

Typical temperature profile for processing 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] 70±2°C

[3] 100±2°C

[4] 5 days, 100±2°C

Revision Date: 10/9/2014