

Sinvicomp SSZ6309 KD11

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

Thursday, August 29, 2019

General Information

Product Description

"Sinvicomp"SSZ 6309 KD11 is a wire & cable polyvinylchloride compound available in pellet form. SSZ 6309 KD11 provides good performance for jacketing of cables.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Uses	• Wire Jacketing
Wire Types (BS 6746)	• TM1 • TM2
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.41		ASTM D792
Carbon Black Content	1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2030	psi	IEC 60811-1-1
Tensile Elongation (Break)	250	%	IEC 60811-1-1
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	78		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-18.4	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength ² 158°F, 4 hr, in IRM 902 Oil	15	%	IEC 60811-2-1
Change in Ultimate Elongation ² 158°F, 4 hr, in IRM 902 Oil	25	%	IEC 60811-2-1
Mechanical Properties After Aging in Air Oven, 176°F, 168 hr ³ Change in Tensile Elongation	10	%	IEC 811-1-2
Change in Tensile Strength	5	%	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (68°F)	1.0E+13	ohms·cm	BS 2782
Additional Information	Nominal Value	Unit	Test Method
Loss of Mass - 7 days, 80±2°C ⁴ (176°F)	0.500	mg/cm ²	IEC 811-3-2

Typical temperature profile for processing SINVICOMP compound is from 150°C to 175°C. The optimum temperatures depend on the type of machine as well as screw design being used to process SINVICOMP.

Feeding zone: 150°C
 Compression zone: 160°C~170°C
 Mixing zone: 170°C~175°C
 Nozzle/Die Zone: 175°C

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Notes

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

² 70±2°C

³ 80±2°C

⁴ 7 days, 80±2°C

Revision Date: 9/27/2016

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