



Sinvicomp TAZ45018CM

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

General Information

Product Description

"Sinvicomp" TAZ45018CM is a wire & cable polyvinylchloride compound available in pellet form. TAZ45018CM provides good performance for jacketing of cables.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Latin America • North America	
Features	• Flame Retardant		
Uses	• Cable Jacketing • Communication Cable Jacketing	• Flame Retardant Jacketing • Jacketing	
Wire Types	• CAT-5 • CAT-5e	• CAT-6 • CM	• PLTC • TC
Agency Ratings	• UL 1685	• UL 444	
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Opaque	
Forms	• Pellets		
Processing Method	• Wire & Cable Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.48		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Break)	2760	psi	ASTM D638
Tensile Elongation ² (Break)	250	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec)	52		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	167	°F	ASTM D794
Brittleness Temperature	5.00	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Mechanical Properties After Aging in Air Oven, 212°F, 240 hr			ASTM D638
Change in Tensile Elongation	25	%	
Change in Tensile Strength	10	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	35	%	ASTM D2863

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: 160°C~170°C

Mixing zone: 175°C~185°C

Nozzle/Die Zone: 180°C~185°C

Notes

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

² 20 in/min