



Sinvicomp TAZ42018CMX5

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

General Information

Product Description

"Sinvicomp" TAZ42018CMX5 is a wire & cable polyvinylchloride compound available in pellet form. TAZ42018CMX5 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	• CMX • VW-1	
Agency Ratings	• 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)	2610	psi	ASTM D638
Tensile Elongation ² (Break)	200	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 10 sec	91		
Shore D, 10 sec	46		
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	20	%	
Change in Tensile Strength	10	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	29	%	ASTM D2863

Additional Information

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: 175°C~180°C