



Sinvicomp TAZ55038CR

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

General Information			
Product Description "Sinvicomp" TAZ55038CR is a wire & cable polyvinylchloride compound available in pellet form. TAZ55038CR provides good performance for jacketing of cables.			
General			
Material Status	Commercial: Active		
Availability	- Africa & Middle East - Asia Pacific	- Europe - Latin America	North America
Features	- Flame Retardant - Plasticized		
Uses	- Cable Jacketing - Coaxial Cable Jacketing - Communication Cable Jacketing	- Fiber Optic Cable Jacketing - Flame Retardant Jacketing - Jacketing	Patch Cord Jacketing
Wire Types	- CAT-5e - CAT-6	- CM - CMG	CMR
Agency Ratings	- UL 1666 - 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	1.56		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 (Shore D, 10 sec)	51		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	167	°F	ASTM D794
Brittleness Temperature	10.4	°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	%	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+11	ohms·cm	ASTM D257
Dielectric Constant (1 MHz)	3.50		ASTM D150
Dissipation Factor (1 MHz)	0.048		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	42	%	ASTM D2863

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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
