



Sinvicomp TAZ36029NR

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

General Information

Product Description

"Sinvicomp" TAZ36029NR is a wire & cable polyvinylchloride compound available in pellet form. It provides good performance for jacketing of cables, especially flame retardancy.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Latin America • North America	
Features	• Flame Retardant	• Sunlight Resistant (720 hours)	
Uses	• Appliance Wire Jacketing • Cable Jacketing • Char Forming Jacketing	• Communication Cable Jacketing • Electronic Cable Jacketing • Fiber Optic Cable Jacketing	• Flame Retardant Jacketing • Flexible Jacketing • Jacketing
Wire Types	• CMR	• OFNR	
Agency Ratings	• UL 1666		
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	1.40		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Break)	3190	psi	ASTM D638
Tensile Elongation ² (Break)	250	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec)	57		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	20	%	
Change in Tensile Strength	10	%	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (73°F)	1.0E+13	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	34	%	ASTM D2863
Additional Information	Nominal Value	Unit	
Heat Shrinkage	< 3.0	%	

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