



Sinvicomp TAZ46022UL

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

General Information

Product Description

"Sinvicomp" TAZ46022UL is a wire & cable polyvinylchloride compound available in pellet form. It 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	• Oil Resistant	• Sunlight Resistant (720 hours)
Uses	• Appliance Wire Jacketing	• Cable Jacketing	
Wire Types	• AWM • FT-4	• PLTC • TC	
Agency Ratings	• CSA FT-4 • UL 1277	• UL 1685 • UL 758	• UL I Oil Rating
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	1.41		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Break)	2610	psi	ASTM D638
Tensile Elongation ² (Break)	280	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	87		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	194	°F	ASTM D794
Brittleness Temperature	-9.40	°F	ASTM D746
UL Temperature Rating	194	°F	
Aging	Nominal Value	Unit	Test Method
Mechanical Properties After Aging in Air Oven, 250°F, 168 hr			ASTM D638
Change in Tensile Elongation	20	%	
Change in Tensile Strength	10	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	35	%	ASTM D2863

Additional Information

Oil Resistance (OR I):
4 Days at 100°C UL1277

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~180°C
Mixing zone: 180°C~185°C
Nozzle/Die Zone: 180°C~185°C