



Sinvicomp TAZ42615UL

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

General Information

Product Description

"Sinvicomp" TAZ42615UL is a wire & cable polyvinylchloride compound available in pellet form. It provides good performance for insulation of cables.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Latin America • North America	
Features	• Electrically Insulating	• Flame Retardant	• Plasticized
Uses	• Appliance Wire Insulation • Building Wire Insulation • Electronic Insulation	• Flame Retardant Insulation • Industrial Cable Insulation • Insulation	• Wet Rated Insulation
Wire Types	• AWM • CL2 • CL3 • ITC • NM • NMB	• NMC • PLTC • TC • THHN • THHW • THW	• THW-2 • THWN • THWN-2 • TW • VW-1
Agency Ratings	• UL 1277 • UL 13	• UL 1424 • UL 719	• UL 758 • UL 83
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	1.32		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Break)	3050	psi	ASTM D638
Tensile Elongation ² (Break)	300	%	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	221	°F	ASTM D794
Brittleness Temperature	-0.400	°F	ASTM D746
UL Temperature Rating	221	°F	
Aging	Nominal Value	Unit	Test Method
Mechanical Properties After Aging in Air Oven, 277°F, 168 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+15	ohms·cm	ASTM D257
Dielectric Constant (1 MHz)	3.00		ASTM D150
Dissipation Factor (1 MHz)	0.048		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	27	%	ASTM D2863

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Additional Information

Typical temperature profile for processing SINVICOMP compound is from 170°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: 170°C

Compression zone: 170°C~180°C

Mixing zone: 180°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
