



Sinvicomp TAZ57025UL

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

General Information

Product Description

"Sinvicomp" TAZ57025UL is a wire & cable polyvinylchloride compound available in pellet form. It is suitable for general purpose wire & cable extrusion.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Flame Retardant	• Low Temperature Resistant	• Sunlight Resistant (720 hours)
Uses	• Appliance Wire Insulation • Appliance Wire Jacketing • Cable Jacketing • Flame Retardant Insulation	• Flame Retardant Jacketing • Flexible Cord Insulation • Flexible Cord Jacketing • Insulation	• Low Voltage Insulation • Wire Jacketing
Wire Types	• AWM • FT-1	• SJT • VW-1	
Agency Ratings	• UL 62	• UL 758	• UL VW-1
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Opaque	
Forms	• Pellets		
Processing Method	• Wire & Cable Extrusion		

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.33		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Break)	2320	psi	ASTM D638
Tensile Elongation ² (Break)	300	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	83		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	-25.6	°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	25	%	
Change in Tensile Strength	15	%	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	29	%	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: 170°C~185°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
