+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

TEKNOR APEX

Sinvicomp TAZ78545UL

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

General Information

Product Description

"Sinvicomp" TAZ78545UL is a wire & cable polyvinylchloride compound available in pellet form. It provides excellent flexibility and low temperature properties for cable jackets.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Abrasion Resistant • Flame Retardant • High Flexibility	• Low Gloss • Low Temperature Resistant • Oil Resistant	• Sunlight Resistant (720 hours)
Uses	• Appliance Wire Jacketing • Cable Jacketing	• Flame Retardant Jacketing • Flexible Cord Jacketing	
Wire Types	• AWM • EVE • EVJT • EVT • SEOOW • SEOW	• SJE • SJEOOW • SJEOW • SJEW • SJT • SJTOOW	• SJTOW • SJTW • STO • STOOW • STOW • VW-1
Agency Ratings	• UL 62	• UL 758	
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Matte Finish	• Opaque
Forms	• Pellets		
Processing Method	• Wire & Cable Extrusion		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.25		ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Break)	2610	psi	ASTM D638
Tensile Elongation [2] (Break)	350	%	ASTM D638
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 10 sec)	70		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	-76.0	°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	%	
Flammability	**Nominal Value**	**Unit**	**Test Method**
Oxygen Index	29	%	ASTM D2863

+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

Sinvicomp TAZ78545UL

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

Additional Information

Oil Resistance: 7 days at 60°C ….. UL 62

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
*Typical Nozzle/Die Zone temperature to achieve low-gloss surface is 150°C~160°C

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] 20 in/min