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TEKNOR APEX

Sinvicomp TAZ48018CM

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

General Information

Product Description

"Sinvicomp" TAZ48018CM is a wire & cable polyvinylchloride compound available in pellet form. TAZ48018CM provides good performance for jacketing of cables.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Uses	• Wire Jacketing
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.44		ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	2760	psi	ASTM D638
Tensile Elongation (Break)	250	%	ASTM D638
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	93		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Continuous Use Temperature	167	°F	ASTM D794
Brittleness Temperature	3.20	°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 (68°F)	1.0E+14	ohms·cm	BS 2782
Flammability	**Nominal Value**	**Unit**	**Test Method**
Oxygen Index	32	%	ASTM D2863

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: 160°C~170°C
Mixing zone: 175°C~185°C
Nozzle/Die Zone: 180°C~185°C

Notes

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