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TEKNOR APEX

Sinvicomp SIZ4805

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

General Information

Product Description

"Sinvicomp" SIZ 4805 is a wire & cable polyvinylchloride compound available in pellet form. SIZ 4805 provides good performance for insulation of electrical wires.

General	
Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• High Stiffness
Uses	• Insulation
Agency Ratings	• IEC 60227 [1]
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties [2]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.40		ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	2900	psi	IEC 811-1-1
Tensile Elongation (Break)	250	%	IEC 811-1-1
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	41		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Stability (392°F)	3.5	hr	BS 2782
Aging	**Nominal Value**	**Unit**	**Test Method**
Mechanical Properties After Aging in Air Oven, 277°F, 240 hr [3]			IEC 811-1-2
Change in Tensile Elongation	15	%	
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	29	%	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: 170°C~180°C
Mixing zone: 175°C~185°C
Nozzle/Die Zone: 185°C

Notes

[1] Type E

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

[3] 136±2°C