TEKNOR APEX

209

- Flexible Polyvinyl Chloride

Thursday, June 29, 2017

General Information

General	
Material Status	• Commercial: Active
Availability	• Asia Pacific
Uses	• Appliance Wire Jacketing
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Specific Gravity [2]	1.43		ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	2180	psi	IEC 811-1-1
Tensile Elongation (Break)	300	%	IEC 811-1-1
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	75		ASTM D2240
Aging	**Nominal Value**	**Unit**	**Test Method**
Mechanical Properties After Aging in Air Oven, 168 hr [3]			IEC 60811
Change in Tensile Elongation	10	%	
Change in Tensile Strength	10	%	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity (68°F)	1.0E+13	ohms·cm	BS 2782 230A
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Loss of Mass - Oven Ageing Condition @ 80 ± 2°C for 7 days	1.00	mg/cm²	IEC 811-3-2

Typical temperature profile for SINVICOMP compound is from 160°C to 180°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: 170°C~180°C
Nozzle/Die Zone: 180°C

Notes

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

[2] @ 23°C

[3] @ 80 ± 2°C

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