TEKNOR APEX

Sinvicomp DBS3503

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

Thursday, August 29, 2019

General Information

General	
Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Good Impact Resistance
Uses	• Electrical/Electronic Applications • Profiles
Forms	• Powder
Processing Method	• Extrusion

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.36 to 1.40		ASTM D792
Bulk Density - (g/cc) [2]	0.650		
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	5690	psi	ASTM D638
Tensile Elongation (Break)	150	%	ASTM D638
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	2.8	ft·lb/in	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	194	°F	ASTM D1525 [3]
Heat Stability - Congo Red (374°F)	> 30.0	min	BS 2782

Additional Information

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] Method: JIS 6721

[3] Loading 1 (10 N)

Revision Date: 1/1/2013