

## - Rigid Polyvinyl Chloride

Thursday, June 29, 2017

### General Information

#### General

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

### ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37 to 1.41		ASTM D792
Bulk Density - (g/cc) <sup>2</sup>	0.640		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	7110	psi	ASTM D638
Tensile Elongation (Break)	80	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.8	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
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

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Method: JIS 6721

#### Teknor Apex Company Corporate Headquarters

In U.S. for Vinyls, TPEs, Colorants,  
 Engineered Thermoplastics (Chem Polymer)  
 505 Central Avenue  
 Pawtucket, Rhode Island 02861 U.S.

Phone: 401-725-8000  
 Fax: 401-725-8095  
 Toll Free (U.S. only) 800-556-3864

info@teknorapex.com

#### Teknor Apex U.K. Ltd.

Tat Bank Road  
 Oldbury, West Midlands B69 4NH England

Phone: (44) 121-665-2100  
 Fax: (44) 121-544-5530

etpsales@teknorapex.co.uk

上海松翰塑化科技有限公司  
 TEKNOR APEX 特诺尔爱佩斯 一级分销商  
 teknorapex.shshsj.com 联系电话: 021-58958519

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