

- 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 Parts • Fittings
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.47		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	7110	psi	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.3	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	192	°F	ASTM D1525
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.

<p>Teknor Apex Company Corporate Headquarters <i>In U.S. for Vinyls, TPEs, Colorants,</i> <i>Engineered Thermoplastics (Chem Polymer)</i> 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</p>	<p>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</p>
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info@teknorapex.com



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