

- Rigid Polyvinyl Chloride

Thursday, June 29, 2017

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• 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	1.38 to 1.42		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	7250	psi	ASTM D638
Tensile Elongation (Break)	110	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.55	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	190	°F	ASTM D1525
Heat Stability - Congo Red (374°F)	1.7	hr	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.

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

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

info@teknorapex.com

