

## - Flexible Polyvinyl Chloride

Friday, June 30, 2017

### General Information

#### General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Ethylene Oxide Sterilizable • Non-DEHP Plasticizer
Uses	• Medical/Healthcare Applications
Appearance	• Opaque
Forms	• Pellets
Processing Method	• Injection Molding

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	1160	psi	ASTM D638
Tensile Elongation (Break)	400	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	45		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Heat Stability - @190oC	> 30.0	min	ASTM D2115-92

#### Additional Information

Typical temperature profile for processing compound is from 120oC to 160oC. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone: 120oC  
 Barrel zone : 130oC to 150oC  
 Nozzle/Die zone: 140oC to 160oC  
 Mold temperature: 0-50oC

#### Notes

<sup>1</sup> 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

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



Revision Date: 7/2/2015