

- Flexible Polyvinyl Chloride

Thursday, June 29, 2017

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific		
Features	• High Stiffness		
Uses	• Electronic Insulation	• Wire & Cable Applications	
Wire Types	• C • D • T11	• T12 • Type 2 • Y11	• Y12
Agency Ratings	• BS 6746	• IEC 60227	• VDE 0207
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2900	psi	IEC 811-1-1
Tensile Elongation ² (Break)	270	%	IEC 811-1-1
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	91		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Thermal Stability ³ (374°F)	> 2	hr	BS 2782
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (176°F, 168 hr)	10	%	IEC 811-1-2
Change in Ultimate Elongation (176°F, 168 hr)	15	%	IEC 811-1-2

Notes

¹ Typical properties: these are not to be construed as specifications.

² 9.8 in/min

³ Congo Red

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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