

- Flexible Polyvinyl Chloride

Thursday, June 29, 2017

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific		
Features	• Good Flexibility		
Uses	• Cable Jacketing	• Wire & Cable Applications	
Wire Types	• ST4 • ST5	• TM1 • YM1	• YM2
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	1.48		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2470	psi	IEC 811-1-1
Tensile Elongation ² (Break)	300	%	IEC 811-1-1
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	83		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Cold Bend	-30	°C	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)	20	%	IEC 811-1-2

Notes

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

² 9.8 in/min

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



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