

APEX® 82-E254-K

Teknor Apex Company - Flexible Polyvinyl Chloride

Friday, June 30, 2017

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Flame Retardant		
Uses	• Communication Wire Jacketing		
Wire Types	• FT-4	• MPR	
Agency Ratings	• NEC Article 725 • NEC Article 760 • NEC Article 800	• NEC Article 820 • UL 13 • UL 1424	• UL 444
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (100% Strain)	1800	psi	ASTM D638
Tensile Strength (Break)	2400	psi	ASTM D638
Tensile Elongation (Break)	300	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ²	543	lbf/in	ASTM D624
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	90		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	176	°F	ASTM D794
Brittleness Temperature	-14.8	°F	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	33	%	ASTM D2863

Additional Information

Subject 444
 Temperature Rating: 80 °C
 UL Sunlight Resistance Recognition: No
 Ultimate Elongation Retained, UL 1581, Oven Aged, 10 days, 100°C: 83 %
 Tensile Strength Retained, UL 1581, Oven Aged, 10 days, 100°C: 101 %

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	375	°F

Notes

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

² Die B



Revision Date: 12/12/2013

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Teknor Apex Company - Flexible Polyvinyl Chloride

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

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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