

APEX® 80842

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	• High Heat Resistance • Sunlight Resistant (720 hours)		
Uses	• Outdoor Applications	• Wire & Cable Applications	• Wire Jacketing
Agency Ratings	• UL QMTT2		
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2400	psi	ASTM D638
Tensile Elongation (Break)	400	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	82		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	-23.8	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.2E+14	ohms·cm	ASTM D257
Dielectric Constant			ASTM D150
1 kHz	5.15		
1 MHz	3.09		
Dissipation Factor			ASTM D150
1 kHz	0.094		
1 MHz	0.079		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	26	%	ASTM D2863

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

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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