

# HFFR 2003PC

Teknor Apex Company - Polyolefin

Friday, June 30, 2017

## General Information

### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Flame Retardant		
Features	• Flame Retardant	• Halogen Free	
Uses	• Communication Wire Jacketing	• Electronic Cable Jacketing	• Security Cable Jacketing
Agency Ratings	• ICEA Unspecified Rating	• IEC Unspecified Rating	• UL QMTM2
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Extrusion		

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	1800	psi	ASTM D638
Tensile Elongation (Break)	550	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec)	38		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-50.8	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	8.5E+12	ohms·cm	ASTM D257
Dielectric Constant (1 kHz)	3.52		ASTM D150
Dissipation Factor (1 kHz)	4.1E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	35	%	ASTM D2863

### Additional Information

Acid Gas, MIL-C-24643: <5.0 mg  
 Acidity of Gases, IEC-754-2: <6.0 pH  
 Conductivity: <2.0 μS/cm  
 Smoke Index, NES-711: <10.0  
 Toxicity Index, NES-713: 0.085  
 Cone Calorimeter @ 50 kW/m<sup>2</sup>, Peak Heat Release Rate: 507 kW/m<sup>2</sup>  
 Cone Calorimeter @ 50 kW/m<sup>2</sup>, Total Heat Released: 199 MJ/m<sup>2</sup>  
 Cone Calorimeter @ 50 kW/m<sup>2</sup>, Peak Smoke: 2.9 l/m  
 Cone Calorimeter @ 50 kW/m<sup>2</sup>, Time to Sustained Ignition: 88 sec

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.



Revision Date: 4/22/2015

# HFFR 2003PC

## Teknor Apex Company - Polyolefin

**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](mailto:etpsales@teknorapex.co.uk)

[info@teknorapex.com](mailto: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](http://teknorapex.shshsj.com) 联系电话: 021-58958519

Revision Date: 4/22/2015

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchasers assume all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or by others. There is no warranty of merchantability and there are no other warranties for the products described.