

- High Chemical Resistance
- Low Outgassing
- Halogen Free
- Very Light Weight
- V-O Flammability Rating
- Wear Resistant
- High Strength Alternative to Fluoropolymers



Material Polyetheretherketone

Grade PKN

Monofilament Diameter .010"

Drawing Number TF001PK-WD



Nominal Size	Part #	Expansion Range		Bulk	Shop	Available	Lbs/
		Min	Max	Spool	Spool	Colors	100′
1/8″	PKN0.13BK	1/16″	5/16″	1,000′	225′	Black (BK)	0.16
1/4″	PKN0.25BK	7/64″	9/16″	1,000′	200′	Black (BK)	0.19
3/8″	PKN0.38BK	5/32″	5/8″	500′	125′	Black (BK)	0.31
1/2″	PKN0.50BK	3/16″	15/16″	500′	100′	Black (BK)	0.44
5/8″	PKN0.63BK	1/4″	1 1/4″	500′	100′	Black (BK)	0.51
3/4″	PKN0.75BK	3/8″	1 3/8″	250′	75′	Black (BK)	0.64
1″	PKN1.00BK			250′	65′	Black (BK)	0.71
2″	PKN2.00BK			200′	50′	Black (BK)	2.14
2 1/2″	PKN2.50BK			200′	50′	Black (BK)	

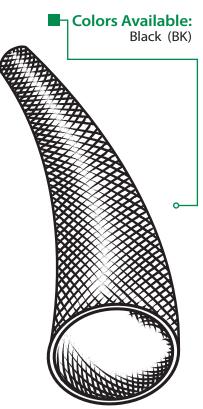
Put-Ups -

Call for more size availability

Secures Performance Of Sensitive **Items in Challenging Environments**

Similar to PPS, but with a substantially expanded operating temperature range, PEEK (PolyEtherEther-Ketone) is a high performance advanced polymer with outstanding physical properties. PEEK is inherently flame retardant, with a V-0 flammability rating, will withstand continuous use in superheated water or steam up to 500°F, and resists most acids, solvents and bases.

PEEK is FDA approved as a food contact product, resists damage from radiation and will continue to perform in UHV (Ultra High Vacuum) environments. PEEK is extensively used in the aerospace, automotive, teletronic and chemical process industries, and is considered an advanced biomaterial used in medical implants and other biomedical applications. PEEK will withstand thousands of sterilization cycles without damage or degradation. Flexo PEEK expandable sleeving is tightly braided from 10 mil filaments of pure, unfilled PEEK polymer. The sleeving expands to fit over connectors and splices, and provides a full coverage over wires hoses and cable bundles in advanced engineering applications.



PEEK[®] is a registered trademark of the Victrex Corporation.

HALOGEN FREE



ADVANCED ENGINEERING **Technical Data Sheet**



FLAMMABILITY

Rating _____

V-O

CHEMICAL RESISTANCE

1=No Effect 2=Little Effect 3=Affected

4=More Affected 5=Severely Affected

Aromatic Solvents	1
Aliphatic Solvents	
Chlorinated Solvents	
Weak Bases	1
Salts	1
Strong Bases	3
Salt Water 0-S-1926	1
Hydraulic Fluid <i>MIL-H-5606</i>	1
Lube Oil	1
De-Icing Fluid MIL-A-8243	1
Strong Acids	3
Strong Oxidants	
Esters/Ketones	1
UV Light	1
Petroleum	1
Fungus ASTM G-21	1
Halogen FreeY	'es
RoHSY	'es

ASTM D-2117 633°F (334°C) ——	700°
033 F (334 C) —	600°
Maximum Continuous ——	500°
Mil-I-23053	400°
500°F (260°C)	300°
	200°

Melt Point

Minimum Continuous -94°F (-70°C)_ OPERATING TEMPERATURES

100°

-100°.

-200°_

O PHYSICAL PROPERTIES

Monofilament Diameter	.010″
Recommended Cutting	Hot Knife
Colors	1
Wall Thickness	025″
Abrasion Resistance	Med
Tensile Strength ASTM D638 (PSI)	13,300
Specific Gravity ASTM D-792 _	1.3
Water Absorption %	<0.05
Elongation ASTM D638 (%)	50
Electrical: Dielectric Strength ASTM D149 (V/Mil)	>500
Volume Resistivity ASTM D257 (ohm-cm)	>4.9x10 ¹⁶
Outgassing	Low

© 2020 Techflex® - Any unauthorized reproduction, in whole or part, in any medium whatsoever, without the express written permission of Techflex® is strictly forbidden. Techflex® product names and logos are registered trademarks of Techflex®, unless otherwise attributed. The contents and illustrations contained herein are believed to be reliable. Techflex® makes no warranties as to their accuracy or completeness and disclaims any liability in connection with their use. Techflex's® only obligations are those in standard terms of sale for these products and Techflex[®] will not be liable for any consequential or other damages arising due to misuse of these products or typographical errors or omissions. Users should make their own evaluation to determine the suitability of these products for their unique and specific applications. 01-02