



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



**Cut Cleanly
Hot Knife**

Material
Polyetheretherketone

Grade
PKN

Monofilament Diameter
0,25mm

Drawing Number
TF001PK-WD

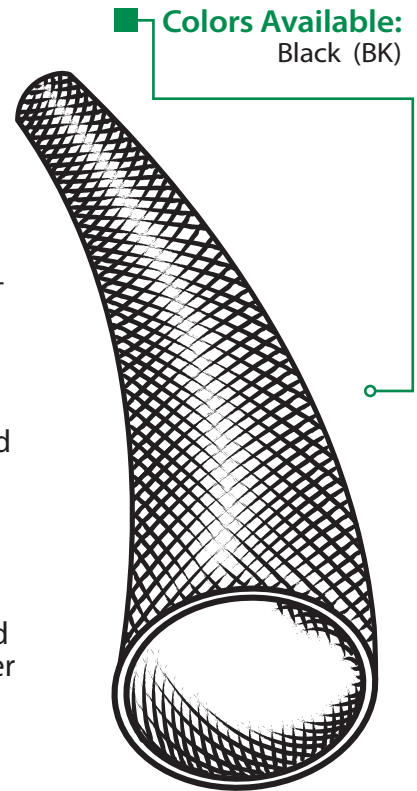
Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Kgs/100m
		Min	Max				
3,2mm	PKN0.13BK	1,6mm	7,9mm	304,8m	68,6m	Black (BK)	0,24
6,4mm	PKN0.25BK	2,8mm	14,3mm	304,8m	61,0m	Black (BK)	0,28
9,5mm	PKN0.38BK	4,0mm	15,9mm	152,4m	38,1m	Black (BK)	0,46
12,7mm	PKN0.50BK	4,8mm	23,8mm	152,4m	30,5m	Black (BK)	0,65
15,9mm	PKN0.63BK	6,4mm	31,8mm	152,4m	30,5m	Black (BK)	0,76
19,1mm	PKN0.75BK	9,5mm	34,9mm	76,2m	22,9m	Black (BK)	0,95

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 260°C, 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.



Colors Available:
Black (BK)



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35740 Pacé - France
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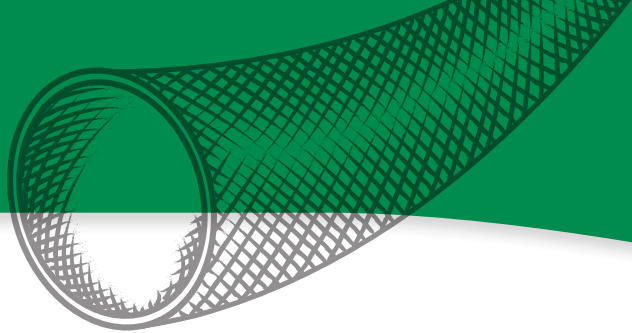


PEEK® is a registered trademark of the Victrex Corporation.

HALOGEN
FREE

UL94 V-0





FLAMMABILITY

Rating _____ V-O

CHEMICAL RESISTANCE

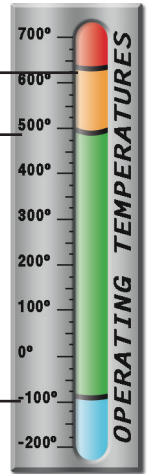
1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

Aromatic Solvents _____	1
Aliphatic Solvents _____	1
Chlorinated Solvents _____	1
Weak Bases _____	1
Salts _____	1
Strong Bases _____	3
Salt Water 0-S-1926 _____	1
Hydraulic Fluid MIL-H-5606 _____	1
Lube Oil _____	1
De-Icing Fluid MIL-A-8243 _____	1
Strong Acids _____	3
Strong Oxidants _____	1
Esters/Ketones _____	1
UV Light _____	1
Petroleum _____	1
Fungus ASTM G-21 _____	1
Halogen Free _____	Yes
RoHS _____	Yes

Melt Point
ASTM D-2117
633°F (334°C)

Maximum Continuous
MIL-I-23053
500°F (260°C)

Minimum Continuous
-94°F (-70°C)



PHYSICAL PROPERTIES

Monofilament Diameter _____	0,25mm
Recommended Cutting _____	Hot Knife
Colors _____	1
Wall Thickness _____	0,64mm
Abrasion Resistance _____	Med
Tensile Strength _____	13,300 ASTM D638 (PSI)
Specific Gravity ASTM D-792 _____	1.3
Water Absorption % _____	<0,05 ASTM D-570
Elongation _____	50 ASTM D638 (%)
Electrical:	
Dielectric Strength _____	>500 ASTM D149 (V/Mil)
Volume Resistivity _____	>4,9x10 ¹⁶ ASTM D257 (ohm-cm)
Outgassing _____	Low