(주)위트솔루션즈

위트솔루션즈

Wise Industrial Technology

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High Temperature Polyetheretherketone (PEEK) Pan-Ty® Cable Ties and Mounts

PEEK Cable Ties and mounts are ideal for use in high temperature and harsh chemical environments. PEEK is a dimensionally stable material that offers an excellent tensile rating with an operating temperature up to 500°F (260°C). It is halogen free and has a UL94V-0 flammability rating, generating low smoke and toxicity upon burn, contributing to improved workplace safety. It has excellent chemical resistance to almost all organic and inorganic chemicals and is extremely resistant to high levels of gamma radiation for a long-term bundling solution. PEEK cable ties and mounts can be used in a broad range of applications and environments including Oil and Gas, Automotive and Aerospace.

Key Features

PANDUIT®

Benefits

Material						
High Temperature Polyetheretherketone (PEEK) material	Operating temperature range up to 500°F (260°C); maintains good tensile strength in high temperature environments					
Halogen-free material UL94V-0 flammability rating	Emits very low smoke and gas upon burn; does not easily ignite when exposed to a flame source; safe material to use in enclosed spaces					
Chemical resistant material	Withstands attack from most organic and inorganic chemicals; able to be used in harsh chemical environments, providing a long-term bundling solution					
Gamma radiation resistant material	Maintains mechanical properties when exposed to high levels of gamma radiation; maintains tensile properties, providing longer useful life					
Good electrical isolation properties	Non-metallic material provides an alternative to conductive fasteners; safe to use where a non-conductive material is specified and/or required					
Low water absorption	Non-hygroscopic material provides excellent moisture resistance; won't absorb water in humid/steam environments; maintains dimensional stability and tensile strength					
Cable Tie						
Cable tie design	Threads easily and installs quickly compared to lacing cord, which requires time consuming, hand-tied knots that can lead to repetitive strain injuries					
Curved tip – applicable sizes	Easy to pick up from flat surfaces; allows faster threading					
Mount						
Mount cradle design	Provides maximum stability for the cable bundle					
Low profile design	Keeps bundle close to mounting surface where overhead space is limited					
Technical Information						
UL flammability	UL 94V-0					
Oxygen index	35					
Radiation resistance	1 x 10° Rads					
Continuous use temperature	-76° – 500°F (-60° – 260°C)					

Halogen free

RoHS compliant

Military specification

Yes

Yes

Yes

www.panduit.com

Applications

Applications for PEEK product include, but are not limited to, the following:

- Drilling down-hole electronics
- Nuclear power plants
- Vacuum ovens for optics
- Commercial cooking equipment
- High temperature lighting

- Industrial ovens
- Transformers and transducers
- Wire harnesses for harsh environments
- Chemical manufacturing
- Transportation

Ordering Information

Cable Ties

Part Number	Length In. (mm)	Width In. (mm)	Thickness In. (mm)	Head Height In. (mm)	Head Width In. (mm)	Max. Bundle Diameter In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended Tools	Std. Pkg. Qty.	Std. Ctn. Qty.
Miniature Cross Section										
PLT1M-C71	4.0 (101.6)	0.101 (2.6)	0.048 (1.2)	0.130 (3.3)	0.190 (4.8)	0.87 (22)	35 (156)	GTS-E, GS2B-E, PTS	100	1000
PLT1.5M-C71	5.90 (149.9)	0.101 (2.6)		0.130 (3.3)	0.190 (4.8)	1.38 (35)	_		100	1000
Standard Cross Section (Straight Tip)										
PLT2S-C71	7.4 (188)	0.190 (4.8)	0.055 (1.4)	0.240 (6.1)	0.320 (8.1)	1.88 (48)	150 (668)	GTS-E, GTH-E, GS2B-E, GS4H-E, PTS, PTH	100	1000

Cable Tie Mounts

Part Number	Used With Cable Ties	A Width In. (mm)	B Width In. (mm)	C Height In. (mm)	Counterbore Diameter In. (mm)	Mounting Method	Std. Pkg. Qty.*	Std. Ctn. Qty.*	c C C
TM2S8-C71	Min., Std.	0.636 (16.2)	0.427 (10.8)	0.278 (7.1)	0.335 (8.5)	#8 (M4) screw	100	100	A

Related products

•	Part Numbers	Used with PEEK Cable Ties	Description	Std. Pkg. Qty.						
	Tool Controlled Tension and Cut-Off Tools									
	GTS-E, GS2B-E	Miniature, Standard	Tool controlled tension tools consistently provide flush tie cut-offs to speed installation.	1						
	GTH-E, GS4H-E	Standard		1						

*Order number of pieces required, in multiples of standard package quantity.

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