Nile Polymers

Strong-Ty™ Kynar® PVDF Cable Ties

Strong-Ty™ cable ties made from Kynar[®] PVDF are ideal for environments where combinations of high temperature, chemical attack, radiation or mechanical stress limits other materials. These cable ties are durable and resist abrasion and mechanical damage during and after installation. With minimal flame-spread and smoke-generation, Strong-Ty™ cable ties meet the National Electrical Code (NFPA-70A) and UL94V-0 requirements for installation in building plenum.

Excellent resistance to radiation allows sterilization of Strong-Ty[™] cable ties for high-purity applications without loss of strength or flexibility. Our Strong-Ty[™] cable ties are injection molded and packaged in the US in a clean room according to ISO 13485 procedures. Made with one-piece construction and a curved tip, Strong-Ty[™] cable ties are easy to use and provide consistent and reliable performance.

USP Class 6 Strong-Ty™ cable ties are available in three separate product lines:

- » Strong-Ty™ High-Purity manufactured and packaged inside a clean room following an ISO 13485 procedure and designed for use in biopharma and semiconductor environments and in the production of high-purity chemicals.
- » Strong-Ty™ Industrial made from Kynar® PVDF in a standard production environment, these cable ties are ideal for photovoltaic wire and cable management and chemical process applications.
- » Strong-Ty™ Sterix designed with a more flexible grade of Kynar[®], exposure to radiation for sterilization results in minimal off-gassing.

Strong-Ty™ Kynar® PVDF Cable Tie Properties								
Product Name	Part Number	Color	Length (in.)	Thickness (in.)	Width (in.)	Max Bundle Dia. (in.)	Tensile Strength (lbs)	
High-Purity	NPC204N	Natural	4	0.059	0.179	0.75	48	
High-Purity	NPC208N	Natural	8	0.059	0.179	2.25	48	
Industrial	NPCi204N	Natural	4	0.059	0.179	0.75	48	
Industrial	NPCi208N	Natural	8	0.059	0.179	2.25	48	
Sterix	NPCS204W	White	4	0.059	0.179	0.75	40	
Sterix	NPCS208W	White	8	0.059	0.179	2.25	40	

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Kynar® PVDF Chemical Resistance

Chemical	Concentration	Maximum Temperature °F	
Acetic Acid	50% in water	200	
Acetone		Not Recommended	
Brine		275	
Bromine, liquid		150	
Chlorine, liquid		175	
Chromic Acid	Up to 40% in water	175	
Hydrochloric Acid	Up to "concentrated"	275	
Hydrofluoric Acid	41 - 100%	200	
Nitric Acid	11 - 70% in water	150	
Phosphoric Acid	Less than 85% in water	275	
Sulfuric Acid	Up to 60% in water	250	



Strong-Ty™ Kynar® PVDF Cable Ties are manufactured in the USA by Nile Polymers, Inc Contact us at (801) 203-3756 or sales@nilepolymers.com

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