

Weather Resistant Polypropylene Spiral Wrap

specifications

Mechanical and chemical attributes of weather resistant polypropylene spiral wrap shall provide cable/hose abrasion protection with a maximum operating temperature of 239°F (115°C) and provide superior resistance to chemical attack when exposed to various concentrations of salts, bases and acids. The material shall be UV stabilized for outdoor weather resistance.



Weather Resistant Polypropylene Spiral Wrap

Outside diameter 0.38" (9.5mm):	T38P-C0
Outside diameter 0.50" (12.7mm):	T50P-C0
Outside diameter 1.00" (25.4mm):	T100P-C0

technical information

Tensile @ yield @ 73°F (psi):	4000 per ASTM D638												
Water absorption (24 hours):	0.1% per ASTM D570												
Weathering life expectancy (years)/ UV resistance:	7 – 9 years/Weather Resistant												
Max. continuous use temperature:	239°F (115°C) per UL 746B - RTI (Relative Thermal Index) based on mechanical strength without impact.												
Heat deflection temperature @ 1.8 Mpa:	124°F (51°C) per ASTM D648 ISO 75 -1/-2												
Chemical resistance:	<table><tr><td>Salts</td><td>Excellent</td></tr><tr><td>Hydrocarbons (Gas, Oil, Lubricants)</td><td>Good</td></tr><tr><td>Chlorinated Hydrocarbons</td><td>Good</td></tr><tr><td>Acids</td><td>Excellent</td></tr><tr><td>Bases</td><td>Excellent</td></tr><tr><td>Acid Rain</td><td>Excellent</td></tr></table>	Salts	Excellent	Hydrocarbons (Gas, Oil, Lubricants)	Good	Chlorinated Hydrocarbons	Good	Acids	Excellent	Bases	Excellent	Acid Rain	Excellent
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Impact resistance:	Notched Izod Impact per ISO 180, 75 kJ/m ² at 23°C, 8.4 kJ/m ² at -40°C												

key features and benefits

Polypropylene material	Withstands high temperature conditions 239°F (115°C) required for outdoor applications; resistant to chemical attack when exposed to salts, bases, and acids in various concentrations to maintain performance in harsh conditions
Black color with ultraviolet inhibitor (UV weather resistant)	Allows product to withstand exposure to sunlight; contributes to weathering life expectancy (7 – 9 years)
Spiral wrap design	Provides cable/hose abrasion protection; harnesses multiple cables and hoses into a single manageable bundle, allows breakouts of single/multiple cables

applications

Weather resistant polypropylene spiral wrap is used to protect cables/hoses in harsh environment applications requiring UV/ weather resistance, and withstand high

temperatures such as in wind turbines and solar applications. Also ideal for applications requiring superior chemical resistance such as in the chemical processing industry.

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ordering information

Part Number	Material	Color	Length Per Reel		Bundle Diameter Range		Outside Diameter		Temperature Range		Wall Thickness		Std. Pkg. Qty.
			Ft.	m	In.	mm	In.	mm	In.	mm	In.	mm	

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T38P-C0	Weather Resistant Polypropylene	Black	100	30.5	5/16 to 3	7.9 to 76.2	0.38	9.5	-40°F to 239°F (-40°C to 115°C)	0.030	0.76	1
T50P-C0					3/8 to 4	9.5 to 101.6	0.50	12.7				1
T100P-C0					7/8 to 6	22.2 to 152.4	1.00	25.4				1

Dimensions are in inches. [Dimensions in brackets are metric].

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