

# 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

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

## technical information

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

## key features and benefits

<b>Polypropylene material</b>	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
<b>Black color with ultraviolet inhibitor (UV weather resistant)</b>	Allows product to withstand exposure to sunlight; contributes to weathering life expectancy (7 – 9 years)
<b>Spiral wrap design</b>	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	
<b>Weather Resistant Polypropylene Spiral Wrap</b> 													
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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1/2013