



cable ties



Guaranteed
Quality
Products

| Description | EAN code | Article code |
|---|---------------|--------------|
| MEPAC cable tie 100x2,5mm transparent | 8714017511146 | 451114 |
| MEPAC cable tie 142x3,2mm transparent | 8714017511283 | 451128 |
| MEPAC cable tie 160x4,8mm transparent | 8714017511429 | 451142 |
| MEPAC cable tie 203x4,6mm transparent | 8714017511566 | 451156 |
| MEPAC cable tie 300x4,8mm transparent | 8714017511702 | 451170 |
| MEPAC cable tie 368x4,8mm transparent | 8714017511849 | 451184 |
| MEPAC cable tie 380x7,6mm transparent | 8714017511986 | 451198 |
| MEPAC cable tie 550x4,8mm transparent | 8714177015614 | 451310 |
| MEPAC cable tie 680x9,0mm transparent | 8714177015751 | 451320 |
| MEPAC cable tie 812x9,0mm transparent | 8714177015898 | 451330 |
| MEPAC cable tie 950x9,0mm transparent | 8714177015966 | 451340 |
| MEPAC cable tie 1219x9,0mm transparent | 8714177016109 | 451350 |
| MEPAC cable tie 100x2,5mm black | 8714017512143 | 451214 |
| MEPAC cable tie 142x3,2mm black | 8714017512280 | 451228 |
| MEPAC cable tie 160x4,8mm black | 8714017512426 | 451242 |
| MEPAC cable tie 203x4,6mm black | 8714017512563 | 451256 |
| MEPAC cable tie 300x4,8mm black | 8714017512709 | 451270 |
| MEPAC cable tie 368x4,8mm black | 8714017512846 | 451284 |
| MEPAC cable tie 380x7,6mm black | 8714017512983 | 451298 |
| MEPAC cable tie 550x4,8mm black | 8714177015683 | 451410 |
| MEPAC cable tie 750x8,8mm black | 8714177021479 | 451425 |
| MEPAC cable tie 812x9,0mm black | 8714177014952 | 451430 |
| MEPAC cable tie 950x9,0mm black | 8714177016031 | 451440 |
| MEPAC cable tie 1219x9,0mm black | 8714177016178 | 451450 |
| MEPAC chassis cable tie 304x3,2mm black | 8714177016314 | 451510 |
| MEPAC 4-way adhesive saddle 19x19mm tr | 8714017521206 | 452120 |
| MEPAC 4-way adhesive saddle 25,4x25,4mm tr | 8714017521305 | 452130 |
| MEPAC saddle type tie mount 23x16mm transparent | 8714177016246 | 452140 |

The four-way adhesive saddle BP 20T is for use with cable ties with a width of up to 4mm, the BP 25 T is for use with cable ties with a width of up to 6mm.

The saddle type tie mount is for use with cable ties with a width of up to 9mm.

Material specifications:

Made from Nylon PA-6.6

Temperature resistant -40°C till +85°C.

The black cable ties have an increased UV resistance

The Mepac cable ties and 4-way adhesive saddles are halogen free as a standard

| Properties | Test methods | Unit | Value |
|------------------|--------------|--------------------|-----------|
| Viscosity number | DIN 53 727 | cm ³ /g | 135/165 |
| Humidity | DIN 53 715 | % | < 0.1 |
| Density | DIN 53 479 | g/cm ³ | 1.12-1.16 |

The cable ties and the saddles meet the RoHS guideline (EU directive 2002/95/EF) and the REACH (EC1907/2006) guideline.

The toxic heavy metals lead, cadmium and mercury, and the diaryl pigment are also not released.

In addition the product is free of hexavalent chromium and polybrominated biphenyls or diphenyls ethers.

No pigment is added to the transparent tie.

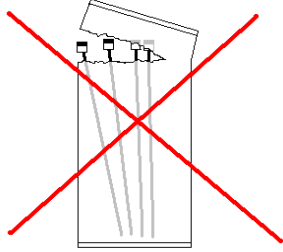
The black colour is achieved by adding a pigment.

| Size | Max. bundle diameter | Max. tensile strength |
|------------|----------------------|-----------------------|
| 100 x 2,5 | 20 mm | 80 N |
| 142 x 3,2 | 30 mm | 180 N |
| 160 x 4,8 | 36 mm | 220 N |
| 203 x 4,6 | 50 mm | 220 N |
| 300 x 4,8 | 75 mm | 220 N |
| 368 x 4,8 | 100 mm | 220 N |
| 380 x 7,6 | 110 mm | 550 N |
| 550 x 4,8 | 166 mm | 785 N |
| 680 x 9,0 | 200 mm | 785 N |
| 750 x 8,8 | 226 mm | 785 N |
| 812 x 9,0 | 245 mm | 785 N |
| 950 x 9,0 | 285 mm | 785 N |
| 1219 x 9,0 | 380 mm | 785 N |

Storage and use.

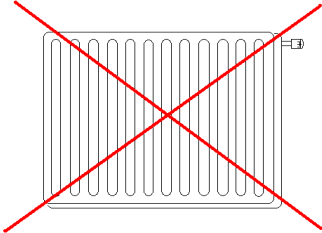
Polyamide is a hygroscopic plastic. This means that the product takes up water and releases it. In a climate of 23 °C and 50% relative humidity the degree of saturation is approximately 2.5%. The mechanical properties, especially the flexibility and the tensile strength, are affected by the water content. For optimal use it is important that the water content is approximately 2.5%.

In order to keep the water content as sufficient as possible, one should take the following points into account:



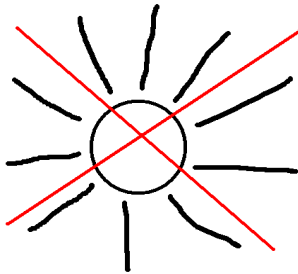
The cable ties must be kept in a closed package.

After opening the package the cable ties must be used immediately.



Do not store them next to direct heat sources.

For example, do not place them next to an electric radiator or central heating.



Do not place them in direct sunlight.

For example, on windowsills.

Chemical resistance nylon polyamide 6.6

| <i>Medium</i> | <i>Composition</i> | <i>Concentration (%)</i> | <i>Temp</i> | <i>Resistance</i> |
|--|---|--------------------------|-------------|-------------------|
| Aetaldehyde (in water) | CH ₃ CHO | 40 | 40 | + - |
| Acetone | CH ₃ .CO.CH ₃ | 100 | 20 | ++ |
| Acetone in water | CH ₃ .CO.CH ₃ | traces | 20 | ++ |
| Ethylenechloride | CH ₂ Cl.CH ₂ Cl | 100 | 20 | + - |
| Amylacetate | CH ₃ .(COO) 2C ₅ H ₁₁ | 100 | 20 | ++ |
| Aniline (pure) | C ₆ H ₅ NH ₂ | 100 | 20 | + - |
| | | | 60 | + - |
| Aniline (in water) | C ₆ H ₅ NH ₂ | saturated | 20 | + - |
| Benzaldehyde | C ₆ H ₅ CHO | 0,1 | 60 | + - |
| Benzol | C ₆ H ₆ | 100 | 20 | ++ |
| Benzine | | 100 | 20 | ++ |
| Benzoic acid (in water) | C ₆ H ₅ .COOH | each | 20 | + - |
| Butyric acid (in water) | C ₃ H ₇ COOH | 20 | 20 | + - |
| Butanol | C ₄ H ₉ OH | to 100 | 20 | + - |
| Butyl lactate | CH ₃ .COOC ₄ H ₉ | 100 | 20 | + - |
| | | 100 | 60 | + - |
| Calcium nitrate (in water) | Ca(NO ₃) ₂ | 50 | 40 | -- |
| Chlorine (gaseous, damp) | Cl ₂ | 0,5 | 20 | -- |
| Chlorinated water | Cl ₂ + H ₂ O | saturated | 20 | -- |
| Chloroform | CHCl ₃ | 100 | 20 | -- |
| Citric acid (in water) | COOH.CH ₂ .COOH | to 10 | 40 | + - |
| Cyclohexanone | C ₆ H ₁₀ O | 100 | 20 | ++ |
| Dibutyl phthalate | C ₁₆ H ₂₂ O ₄ | 100 | 20 | ++ |
| Diesel oil | | 100 | 20 | ++ |
| Dioxane | OCH ₂ OCH ₂ CH ₂ CH ₂ | 100 | 20 | ++ |
| Formalin | CH ₂ O + H ₂ O | to 10 | 40 | + - |
| Phosphoric acid | H ₃ PO ₄ | 95 | 60 | -- |
| Photo fixing baths | | normal | 40 | ++ |
| Photo developer | | normal | 40 | ++ |
| Glycerine (in water) | HOCH ₂ CH(OH)CH ₂ OH | each | 60 | ++ |
| Isopropyl alcohol | C ₃ H ₇ OH | each | 20 | + - |
| Tincture of iodine | I ₂ +C ₂ H ₅ OH | normal | 20 | -- |
| | | normal | 60 | -- |
| Potassium permanganate | KMnO ₄ | to 6 | 20 | -- |
| Common salt (sodium chloride in water) | NaCl | diluted | 40 | ++ |
| Linseed oil | | 100 | 40 | ++ |
| Lactic acid (in water) | CH ₃ .CH(OH).COOH | to 10 | 40 | -- |
| Butanone | CH ₃ .CO.CH ₂ .CH ₃ | 100 | 20 | ++ |
| Methyl alcohol | CH ₃ OH | 100 | 40 | + - |
| Methyl chloride | CH ₂ Cl ₂ | 100 | 20 | + - |
| Formic acid | HCOOH | 100 | 20 | -- |
| | | 100 | 60 | -- |
| Sodium chloride (see Common salt) | | | | ++ |
| Caustic soda (in water) | NaOH+H ₂ O | to 40 | 40 | + - |
| Oleum | H ₂ SO ₄ +SO ₃ | 10 | 20 | -- |
| Oils, mineral oils (plant and animal) | | 100 | 20 | ++ |
| Oleic acid | C ₁₇ H ₃₃ COOH | normal | 60 | ++ |
| Ozone | O ₃ | 100 | 20 | + - |
| Paraffin emulsions | C _n H _{2n+2} | normal | 20 | ++ |
| | | normal | 40 | ++ |
| Petroleum | | 100 | 20 | ++ |
| Petroleum ether | | 100 | 20 | ++ |

Chemical resistance nylon polyamide 6.6

| <i>Medium</i> | <i>Composition</i> | <i>Concentration (%)</i> | <i>Temp</i> | <i>Resistance</i> |
|------------------------------|--------------------|--------------------------|-------------|-------------------|
| Phenol (in water) | C6H5OH | to 90 | 45 | - - |
| Pyridine | C5H5N | 100 | 20 | + + |
| Nitric acid (in water) | HNO3 | to 30 | 50 | - - |
| Magnesium silicate | | 100 | 20 | + + |
| Carbon tetrachloride | CCl4 | 100 | 20 | + + |
| Tetrahydrofurane | OCH2.CH2.CH2.CH2 | 100 | 20 | + + |
| Toluene | C6H5.CH3 | 100 | 20 | + + |
| Trichloroethylene | CCl2.CHCl | 100 | 20 | + - |
| Urea (in water) | NH2.CO.NH2 | to 10 | 40 | + + |
| Urine | | normal | 40 | + + |
| Vaseline | | | 20 | + + |
| Hydrogen peroxide | H2O2 | to 30 | 20 | - - |
| Xylene | C6H4(CH3)2 | 100 | 20 | + + |
| Feric chloride | FeCl3 | to 10 | 40 | + + |
| Ferric (in water) | | | | |
| Soap solution | | | 20 | + + |
| Seawater | | | 40 | + + |
| Hydrochloric acid (in water) | HCl | to 30 | 40 | - - |
| Carbon disulphide | CS2 | 100 | 20 | + + |
| Hydrogen sulphide (in water) | H2S+H2O | | 40 | + - |
| Sulphuric acid (in water) | H2SO4 | tot 40 | 40 | - - |

+ + = resistant

+ - = less resistant

- - = not resistant

All information according to our best knowledge, thus we accept no responsibility.

A stated resistance at a stated temperature or concentration gives no

Indication of the resistance at a higher or lower temperature or concentration.