

1. Producer / supplier

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2. Product description

Commercial product name: Nylatron® MC901

These products are ‘articles’ according to the Regulation (EC) No 1907/2006 (REACH).

Material characterization: modified cast polyamide 6 [PA 6]

3. Product characteristics

Form: semi-finished products (round rods, plates, tubes...) / finished parts machined from semi-finished products

Colour: blue

Odour: odourless

Density: 1.15 g/cm³

Melting temperature: 215 °C

Glass transition temperature: -

Values for this property are only given here for amorphous materials and not for semi-crystalline ones.

Thermal decomposition: > 350 °C

Self ignition temperature: > 400 °C

Solubility in water: insoluble

Test methods

ISO 1183-1

ISO 11357-1/-3

ISO 11357-1/-2

ASTM D 1929

4. Handling and storage

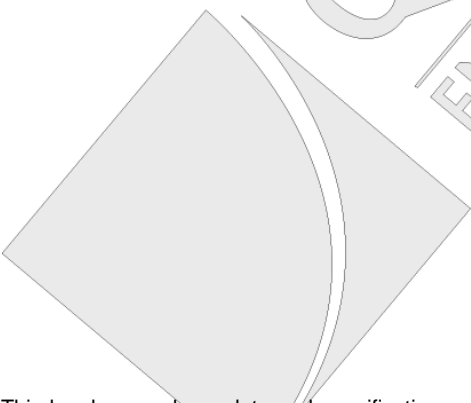
Machining: During machining of the semi-finished products, evacuate swarf to prevent slipping or tripping hazard and observe the maximum allowable concentration of dust levels on the workplace which apply in your country. Wear safety goggles during machining.

Storage: The products shall be stored indoors in a normal environment (air at 10 - 30°C / 30 - 70% RH) and kept away from any source of degradation such as sunlight, UV-lamps, chemicals (direct or indirect contact), ionising radiation, flames, etc. Dimensional changes (camber, warpage, shrinkage ...) of the products as well as slight colour shifts of the external surfaces can occur with time. The latter does generally not pose a problem in case of semi-finished products since the surface-layer is mostly removed anyway upon machining them into finished parts.

The properties of materials which are prone to water absorption, e.g. polyamides, may change significantly with storage time as a result of water absorbed from the environment (this effect depends very much on shape and size of the products, the relative humidity and temperature of the environment and the time). However, this water absorption phenomenon being a reversible one, the original material properties can if necessary be restored by drying them.

Safety measures: Standard industrial safety recommendations shall be observed. Temperatures above the melting temperature shall be avoided.

Please also note the disclaimer on page 3 of this document.



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