

**JP 112**

It is a draped creamy colored Polyamide commonly referred to as Nylon or PA.

It has very good physical and chemical properties and is used in a wide variety of applications.

in places that may cause swelling and loss of physical properties in use

should not be used. It has natural white color. Applications in contact with food materials

It is an approved material for.

**PHYSICAL-MECHANICAL-CHEMICAL-THERMAL PROPERTIES**

DENSITY g / cm<sup>3</sup> DIN 53479 1.15

MOISTURE RESISTANCE 23% C / 50% REL. M. 2.2

MOISTURE ABSORPTION% WATER 23 ° C 6,6

TENSILE STRENGTH N / mm<sup>2</sup> DIN 53 455 80-85

Elongation AT BREAK% DIN 53 455 25

FLEXIBILITY MODULE N / mm<sup>2</sup> DIN 53457 3300

BRINELL HARDNESS H358 / 3 N / mm<sup>2</sup> DIN53456 165

SLIP COEFFICIENT  $\mu$  <0.4

TEMPERATURE (MIN.-MAX.) ° C / -50/100

MELTING TEMPERATURE ° C 164-167

RESISTANT TO WATER AT 70 ° C

NOT SUITABLE FOR WATER AT 90 ° C

RESISTANT TO HFA, HFB, HFC LIQUIDS

NOT SUITABLE FOR HFD

RESISTANT TO MINERAL OILS

RESISTANT TO VEGETABLE OILS

RESISTANT TO FUELS

RESISTANT TO ALCOHOLS

NOT SUITABLE FOR OZONE

RESISTANT TO ESTERS AND KETONES



RESISTANT TO 100 ° C WEATHER

NOT SUITABLE FOR WATER OF 150 ° C

NOT SUITABLE FOR WATER 200 ° C

SCOPE OF APPLICATION

Guide rings, bushings, support rings, scrapers, guards, high precision parts

#### **ANALYSIS AND EVALUATION**

Properties are related to the basic values of Polyamide. The above mentioned product values

Corresponding to ASTM or DIN standard and tested in the laboratory on standard plates