



## **JP 101**

It is a white (natural) Polyacetal commonly referred to as POM (Polyoxymethylene) or Acetal.

This material has excellent physical and chemical properties to serve a wide variety of applications.

has. Recommended for sensitive parts with very stable and close tolerances in wet and dry environments is

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

DENSITY g / cm<sup>3</sup> DIN 53479 1.41

MOISTURE RESISTANCE 23% C / 50% REL. M. 0.2

MOISTURE SOUL% WATER 23 ° C 0.85

TENSILE STRENGTH N / mm<sup>2</sup> DIN 53455 68-70

Elongation AT BREAK% DIN 53 455 35

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

BRINELL HARDNESS H358 / 3 N / mm<sup>2</sup> DIN53456 140

SLIP COEFFICIENT  $\mu$  <0.4

TEMPERATURE (MIN.-MAX.) ° C / -50/100

MELTING TEMPERATURE ° C 164-167

RESISTANT TO 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 100 ° C WEATHER

NOT SUITABLE FOR 150 ° CHAVA

**SCOPE OF APPLICATION**

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

**ANALYSIS AND EVALUATION**

Properties are related to Polyacetal's core values. Above mentioned product values ASTM or DIN

Corresponding to the standard and tested in the laboratory on standard plates