



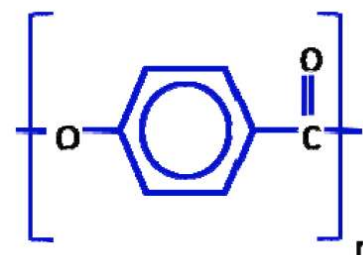
## SUPERNOL® S101 Data Sheet

### Introduction

Supernol® is a fully aromatic liquid crystal homopolymer with an excellent thermal stability.

When used as reinforcing filler for PTFE and other high performance polymers, Supernol® powders greatly improve wear resistance and creep resistance without increasing the coefficient of friction.

Supernol® / PTFE compounds resist self-wear better than any other PTFE composition and will not damage soft mating surfaces such as aluminum, stainless steel, and brass.



Chemical formula

### Applications

Self lubricating bearings, thrust washers, seal rings, piston rings, and cable liners

### Main Properties

Color	Beige
Apparent density	0.30-0.45 gram/cc
Tap density	0.50-0.65 gram/cc
Median particle size	14 - 24 $\mu\text{m}$
Particle size distribution (wet sieving method in ethanol)	Screen Analysis +170 mesh: 0.5% max +325 mesh: 20% max
Thermal stability Weight loss at 370°C	After 5 hrs: 2.0% max
Maximum continuous operating temperature For Supernol® / PTFE composite materials	260°C
Excellent solvent resistance (with the exception of concentrated sulfuric acid and strong alkalis)	

The data above are just for reference and are not intended for warranty and guarantee. The information in this product datasheet does not grant any authorization to practice any patented invention without a license.

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