



SUPERNOL[®]S101Plus Data Sheet

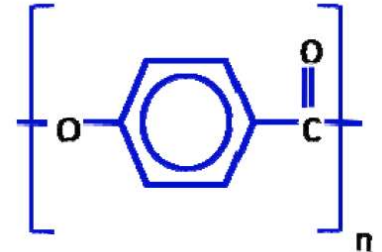


Introduction

Supernol[®] is a fully aromatic liquid crystal polymer 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 |
| Median particle size | 20µm |
| Percentage of particles smaller than 5µm | Less than 5% |
| Thermal stability Weight loss at 370°C | After 5 hrs: 1.3% 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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