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## **Technical Data Sheet**

**MATERIAL:** Poly(tetrafluoroethylene)

CATALOG NUMBER: 203

**CAS NUMBER:** 9002-84-0

**DESCRIPTION:** Homopolymer of tetrafluoroethylene

FORMULA:  $(C_2F_4)_x$ 

**TYPICAL PROPERTIES:** 

Appearance:PowderDensity:2.00Glass transition temp: $130^{\circ}$ CMelting point: $327^{\circ}$ CRefractive index: $n_D^{20}$  1.35Solubility parameter:6.21Flash point: $1,000^{\circ}$ F

Solubility: (350°C) in perfluorokerosene

GENERAL INFORMATION:

Poly(tetrafluoroethylene), (PTFE), is tough and flexible in thin films and rigid in thick sections. PTFE has an extremely low coefficient of friction and opaque, crystalline and malleable. Major uses are gaskets, seals, bearings, tape wire coatings, electronic components, complex moldings and tubing.

**STRUCTURE:** 

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