



Technical Data Sheet

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| MATERIAL: | Poly(tetrafluoroethylene) |
| CATALOG NUMBER: | 203 |
| CAS NUMBER: | 9002-84-0 |
| DESCRIPTION: | Homopolymer of tetrafluoroethylene |
| FORMULA: | $(C_2F_4)_x$ |
| TYPICAL PROPERTIES: | |
| Appearance: | Powder |
| Density: | 2.00 |
| Glass transition temp: | 130°C |
| Melting point: | 327°C |
| Refractive index: | n_D^{20} 1.35 |
| Solubility parameter: | 6.21 |
| Flash point: | 1,000°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:

