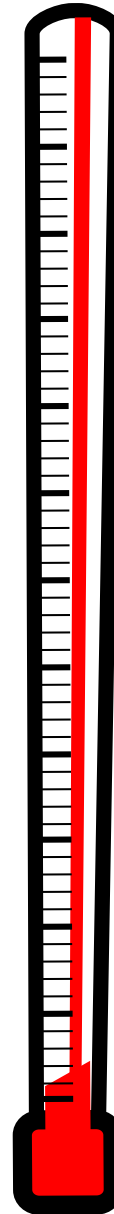


Teflon can't stand the heat...

Chemical Releases

- 1,202° CF₄ (carbon tetrafluoride): Global warming gas; affects heart, lungs, and nervous system [1].
- 1,112° CF₃COF (trifluoroacetic acid fluoride): degrades to HF & TFA
- OFCB (octafluorocyclobutane): Linked to heart palpitations
- PFB (perfluorobutane): Global warming gas [1].
- 932° COF₂ (carbonyl fluoride): fluorinated version of chemical warfare agent
- HF (hydrogen fluoride): Corrosive gas. Kills tissue on contact [2].
- 887° PFIB (perfluoroisobutene): Chemical warfare agent [3].
- 878° SiF₄ (silica tetrafluoride): highly toxic by inhalation and ingestion [1].
- 680° Toxic gasses released:
 - TFE (tetrafluoroethylene): animal carcinogen
 - HFP (hexafluoropropene): worker toxicant
 - TFA (trifluoroacetic acid): poisonous to plants
 - DFA (difluoroacetic acid): Animal kidney toxicant
 - MFA (monofluoroacetic acid): lethal to humans at low doses
 - PFOA (perfluorooctanoic acid): animal carcinogen [4].
- 554° Ultrafine particulates released (oxidized Teflon particles) [5].
- 464° Lowest temperature at which Teflon particles have been measured [6].



Common cooking temperatures

- 1,500° Broiling temperature for high-end ovens [7].
 - 1,000° Drip pans in stovetop burner
Gas flame on range top [8].
 - 800° Electric coil on range top [8].
 - 750° Surface temperature of PTFE-coated pan after heating for 8 minutes on conventional stove [9].
 - 700° Preheated grill [10].
 - 536° Birds killed in DuPont lab experiments [5].
 - 500° Searing temperature for meat in oven or grill
Maximum temperature for many ovens
 - 396° Temperature of PTFE-coated light bulbs under which Missouri birds died [11].
 - 350° Common baking temperature
 - 325° Birds died from preheated oven [12].
- All temperatures are in degrees Fahrenheit.

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Fahrenheit (°F) to Celsius (°C) conversion:

1,500 °F (816 °C)	700 °F (371 °C)
1,202 °F (650 °C)	680 °F (360 °C)
1,112 °F (600 °C)	662 °F (350 °C)
1,000 °F (538 °C)	536 °F (280 °C)
932 °F (500 °C)	500 °F (260 °C)
887 °F (475 °C)	464 °F (240 °C)
878 °F (470 °C)	396 °F (202 °C)
800 °F (427 °C)	350 °F (177 °C)
750 °F (399 °C)	325 °F (162 °C)