



Bisphenol AF

CAS No. 1478-61-1

Bisphenol AF is a white to light gray powder. It is mainly used as a cross linking agent in the synthesis of specialty elastomers. Many of these elastomers will exhibit good chemical and thermal properties.

Specifications

Assay by Gas Chromatography	99.5% minimum
Phenol	0.1% maximum
Fluoride	100 ppm maximum
Color (APHA)	150 maximum
Water	0.10% maximum
Methanol Insolubles @105 °C	300 ppm maximum

Physical Properties

Chemical Formula:	$(CF_3)_2C(C_6H_4OH)_2$
Mol. Wt.:	336.2
Boiling Pt.:	Not determined
Melting Pt.:	159-162 °C
Appearance and Odor:	White to light gray solid.
Solubility in water:	Negligible.

Packaging

Contact Customer Service

Typical chemistry and uses

Bisphenol AF is used to cross-link and cure fluoroelastomers, often along with an accelerator such as triphenyl benzyl phosphonium chloride. When used as a curing agent it produces elastomers with excellent chemical resistance and thermal stability. Bisphenol AF is also used as a monomer in the synthesis of specialty polymers. Polymers containing Bisphenol AF are useful in high temperature composites, in electronic materials and other specialty applications.