P&M-Invest Ltd.
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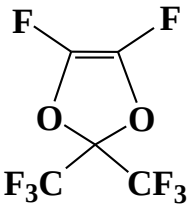
Perfluoro(2,2-dimethyl-1,3-dioxole); abb.PDD



Purity	99%
CAS Number	37697-64-6
Molecular Formula	C5F8O2
Molecular Weight	244.04
Application	1. TFE-PDD copolymers exhibit high transparency, strength, heat resistance, low dielectric constant, chemical resistance, melt moldability, and solvent cast film formability. The copolymer-copper melt-compression-molded laminate film exhibits a peel strength of 158 N/m and a dielectric constant of 2.3 at 1 MHz. *US 5,006,382* 2. The acid-form film of PDD-PFSVE(CF2=CFOCF2CF2SO2F)=70/30 copolymer exhibited a proton conductivity of 99 mS/cm at 95%RH@80℃. It also showed higher oxygen permeability than conventional ion exchange membranes and TFE/PFSVE. Application to catalyst layer ink for fuel cells is expected. *WO 2012/088176 A, J. Membrane Science, 126, 1997, p123-132* 3. VDF-PDD copolymer showed more than 98% transmittance to 157nm incident light, which is superior to TFE-PDD copolymer. Expected as a photomask dustproof coating agent. Recognizing the correlation between light resistance and VUV transmittance, we plan to consider polymer refinement and modification of the monomer structure. *J. Fluorine Chem, 122(2003), p63-80*
Properties:	
Appearance	-
Boiling point, °C	32-33
Flash point,°C	-
Capacity:	100 kg/month
Packing:	-
UN, PG:	-