

## PFA 1500x1500x0,8 mm natural

Article No. **P2202784**

### 1. Technical Data Sheet

Property	Value	Unit	Test standard
Density	2.15	g/cm <sup>3</sup>	DIN EN ISO 1183
Tensile Strength	15	MPa	DIN EN ISO 527
Modulus of elasticity (tensile)	450	MPa	DIN EN ISO 527
Breakdown Voltage	24	MPa	DIN EN ISO 527
Break Elongation	250	%	DIN EN ISO 527
Hardness Shore D	55	° Shore D	DIN EN ISO 868
Melting point	300	°C	ISO 3146
Maximal operating temperature (short-term)	260	°C	
Maximum Operating Temperature	260	°C	
Minimum temperature	-190	°C	
Heat deflection temperature (HDT/A)	75	°C	ISO 75
Thermal Expansion Coefficient	1.4	10 <sup>-4</sup> /K	ISO 11359-2
Dielectric Strength	33	kV/mm	DIN IEC 60243-1
Surface Resistivity	~10 <sup>13</sup>	Ω	DIN EN 61340

### 2. Chemical Resistance

● Resistant
 ● Partially resistant
 ● Not resistant

Chemical	Concentration	Resist.
1,4-Dioxane	100	●
2-Hydroxypropionic Acid	90	●
Acetic Acid	100	●
Acetone	100	●
Ammonia	–	●
Ammonium Chloride	–	●
Amyl Alcohol	–	●

Chemical	Concentration	Resist.
Apple Juice	—	●
Benzene	—	●
Bleaching Solution	—	●
Boric Acid	100	●
Brake Fluid	—	●
Butyl Acetate	—	●
Calcium Chloride	—	●
Carbon Disulfide	100	●
Carbon Tetrachloride	—	●
Chlorine (gas)	100	●
Chlorobenzene	100	●
Chloroform	—	●
Citric Acid	10	●
Cresol	—	●
Cyclohexanone	100	●
Cyclohexene	100	●
Diesel Fuel	—	●
Diethylene Oxide	—	●
Ethyl Acetate	100	●
Ethyl Alcohol	96	●
Ethylene Chloride	100	●
Food Oil	—	●
Formaldehyde (aqueous)	40	●
Formic Acid	10	●
Frost Protection Agent	—	●
Fuel, aromatic free	—	●
Glycerine	100	●
Glycol	100	●
Heating Oil	—	●
Heptane	100	●
Hydrochloric Acid	10	●
Hydrochloric Acid (concentrated)	—	●

Chemical	Concentration	Resist.
Hydrofluoric Acid	40	●
Hydrogen Peroxide	10	●
Hydrogen Sulfide (aqueous)	–	●
Isopropyl Alcohol	100	●
Linseed Oil	–	●
Mercurochrome	–	●
Methyl Alcohol	100	●
Methyl Ethyl Ketone (MEK)	100	●
Methylene Chloride	100	●
Milk	–	●
Mineral Oils (aromatic free)	–	●
Nitric Acid	10	●
Nitric Acid (50%)	50	●
Nitrobenzene	–	●
Oxalic Acid	–	●
Ozone Gas	≤ 0.5 ppm	●
Paraffine Oil	100	●
Perchloroethylene	–	●
Petroleum	100	●
Petroleum Ether	100	●
Phenol (aqueous)	ca. 9	●
Phosphoric Acid	50	●
Potassium Hydroxide liquor	50	●
Premium Fuel	–	●
Propyl Alcohol	–	●
Pyridine	–	●
Silicone Oil	–	●
Sodium Carbonate (aqueous)	–	●
Sodium Chloride (aqueous)	–	●
Sodium Hydrogen Sulfite	–	●
Sodium Hydroxide liquor	15	●
Sodium Hydroxide liquor (60)	60	●

Chemical	Concentration	Resist.
Sodium Nitrate (aqueous)	–	●
Sodium Thiosulfate	–	●
Sulfuric Acid	96	●
Tetrahydrofuran (THF)	100	●
Toluene	100	●
Transformer Oil	–	●
Trichloroethylene	100	●
Vinegar (standard)	5 - 10	●
Water	–	●
Xylene	–	●