UniOP Chemical Resistance

UniOP Front Panel

The UniOP front panel is manufactured of a high quality polyester film. The panel was subjected to the following list of chemicals for a period of 24 hours, under standard DIN 42 115 part 2. There was no visible change.

Ethyl alcohol	Acetaldehyde	Chlorofluerocarbon
Cyclohexanol	Aliphatic hydrocarbon	Perchlorethylene
Glycol	Petroleum	1.1.1 trichlorethane
Isopropyl alcohol	Toluene	Trichlorethylene
Glycerin	Xylene	Ethyl acetate
Methanol	Benzene	Ethyl ether

Acetone	Formic acid < 50%	Sodium hypo chlorate	< 20%
Methyl ethyl acetone	Acetic acid < 5%	Hydrogen peroxide	< 25%
Dioxan	Phosphoric acid < 30%	Potassium carbonate	
	Hydrochloric Acid < 10%	Washing powder	
	Nitric acid < 10%	Solvent for treating fabric	

Ammonia	< 2%	Cutting oil
Caustic soda	< 2%	Diesel oil
Carbon alkali		Linseed oil
Bicromate		Mineral oil
Potassium		Castor oil
Ferro cyanide		Silicone oil
		Turpentine
		Brake Oil with < 20% Phosphoric acid concentration

The UniOP front panel is not resistant to the following chemical products:

Concentrated mineral acids	Benzyl alcohol
Concentrated caustic solutions	Methylene chloride
Vapor under pressure over 100 degrees C	

UniO`P Bezel

The bezel material (IXEF 1002)had been subjected to the following chemicals for 30 days at a temperature of 23 degrees Centigrade. The following legend explains how the bezel reacted to each chemical.

Legend

+ : Variation of weight < 1% and Variation in breakage resistance < 10%
0 : Only satisfies one of the above criteria
- : Does not satisfy any of the above criteria

Chemical	Reaction
NH_4Cl, Saturated solution	-
C_aCl_2, Saturated solution	0
$N_{a2}CO_3$, saturated solution	+
Methanol	-
Ethanol	+
Propynal	+
Benzyl alcohol	+
Toluene	+
Formaldehyde	0
Methylene chloride	+
Perchlorethylene	+
Acetone	+
Methyl ethyl acetone	+
Benzene	+
Trichlorethane	+
Methyl acetate	+
Tetrahydrofuran	+
Brake oil	+
Gasoline and CH_3OH (80/20)	+
Gasoline and CH_3OH (90/10)	+
Premium gasoline	+