

TECHNICAL BULLETIN – Chemical Resistance of PET/Polyester Films

Date: June 8, 2015

SUBJECT: Chemical Resistance of PET/Polyester Films

CHEMICALS WITH LITTLE OR NO EFFECT ON PET/POLYESTER FILM

HYDROCARBONS	ALCOHOLS	KETONES
Toluene	Ethanol	Acetone
Heptane	Methanol	Methyl Ethyl Ketone
Xylene	Isopropanol	Cyclohexanone
Benzene	Cyclohexanol	
CHLORINATED HYDROCARBONS	ETHERS	ESTERS
Chloroform	1, 4-Dioxane	Ethyl Acetate
Trichlorethylene	Tetrahydrofuran	Isopropyl Acetate
Carbon Tetrachloride		Ethylene Glycol Monomethyl Ether Acetate
ACIDS	ALKALIES	
Glacial Acetic Acid	Ammonium Hydroxide (2%)	
Hydrochloric Acid (10%)	Sodium Hydroxide (2%)	
Sulfuric Acid (20%)		
Nitric Acid (10%)		

CHEMICALS THAT ATTACK PET/POLYESTER FILM

ACIDS	ALKALIES	AMINES
Nitric Acid (35%)	Ammonium Hydroxide (10%)	Ethylene Diamine
Hydrochloric Acid (conc.)	Sodium Hydroxide (10%)	<i>n</i> -Butylamine
Sulfuric Acid (50%)		<i>n</i> -Propylamine

CHEMICALS THAT DISSOLVE PET/POLYESTER FILM

Hexafluoroisopropanol	<i>m</i> -Cresol	<i>o</i> -Chlorophenol
Phenol/Tetrachloroethane	Dichloroacetic Acid	

X:/Lit/Mechanical/2015/Chemical Resistance of PET-Polyethylene Films.doc R.5-11-15

P.O. Box 755
Ennis, TX 75120
PH: (214) 515-5000
FX: (972) 875-9425

This information is based on our best knowledge, but
POLYGUARD cannot guarantee the results to be obtained.

Proud Member of
NIA National Insulation
Association®