

ONYX CHEMICAL RESISTIVITY

Material	Onyx	ABS	Delta	Material (Continued)	Onyx	ABS	Delta
Acetone	A	D	+++	Alcohols, Aliphatic	B	*	
Ammonium Carbonate Aq.	A	*		Butanol	B	*	
Ammonium Chloride Aq.	A	*		Butyric Acid Aq.	B	*	
Amyl Acetate	A	D	+++	Cyclohexanol	B	*	
Barlium Chloride Aq.	A	*		Ethylene Dichloride	B	D	++
Benzene	A	D	+++	Ethylene Glycol Aq.	B	*	
Boric Acid Aq.	A	*		Formaldehyde Aq.	B	*	
Camphor	A	*		Formic Acid Aq.	B	*	
Carbon Tetrachloride	A	D	+++	Hydrogen Sulphide Aq.	B	*	
Chrome Alum Aq.	A	*		Hydroquinone	B	*	
Creosote	A	*		Isopropylalcohol	B	C	+
Cyclohexanone	A	*		Lead Acetate Aq.	B	*	
Detergents, Organic	A	*		Phthalic Acid Aq.	B	*	
Dibutylphthalate	A	*		Sodium Acetate Aq.	B	*	
Diesel Oil	A	*		Sulphur Dioxide (Dry Gas)	B	D	++
Dioxan	A	*		Tar	B	*	
Ether, Diethyl	A	*		Trichlorethylene	B	*	
Ethyl Acetate	A	D	+++	Acetic Acid Aq.	C	*	
Freon 12 (Arcton 12)	A	*		Ammonia Gas	C	*	
Glycerine	A	A	=	Anillne	C	*	
Heptane	A	*		Antimony Trichoride Aq.	C	*	
Linseed Oil	A	*		Bleaching Lye	C	C	=
Lubricating Oils (Petroleum)	A	*		Butyric Acid	C	D	+
Magnesium Chloride Aq.	A	*		Chromic Acid Aq.	C	*	
Methyl Acetate	A	*		Citric Acid Aq.	C	B	-
Methyl Ethyl Ketone	A	D	+++	Ferrous Chloride Aq.	C	*	
Mineral Oils	A	*		Hydrofluoric Acid Aq	C	*	
Naphthalene	A	D	+++	Hydrogen Peroxide Aq.	C	*	
Nickel Sulphate Aq.	A	*		Lactic Acid Aq.	C	*	
Oleic Acid	A	*		Methyl Chloride	C	*	
Paraffin	A	*		Nitric Acid Aq.	C	B	-
Petrol	A	*		Oxalic Acid Aq.	C	*	
Potassium Bicarb. Aq.	A	*		Ozone	C	*	
Potassium Chloride Aq.	A	A	=	Stannic Chloride Aq.	C	*	
Potassium Ferrocyanide Aq.	A	*		Sulphuric Acid Aq.	C	B	
Propane Gas	A	*		Vinegar	C	A	--
Salicylic Acid	A	*		Zinc Chloride Aq.	C	*	
Silicone Fluids	A	D	+++	Benzene Sulphonic Acid	D	*	
Silver Nitrate	A	*		Bromine Aq.	D	*	
Soap Solutions	A	B	+	Calcium Hypochlorite	D	*	
Sodium Bicarbonate Aq.	A	*		Chloral Hydrate	D	*	
Sodium Nitrate Aq.	A	*		Chlorine Aq.	D	*	
Stearic Acid	A	*		Chloroform	D	D	=
Styrene (Monomer)	A	*		Chlorosulphonic Acid Aq.	D	*	
Tallow	A	*		Cresylic Acid	D	*	
Toluene	A	D	+++	Fluorine	D	*	
Transformer Oil	A	*		Hydrobromic Acid Aq.	D	A	---
Triethanolamine	A	*		Hydrogen Peroxide Aq.	D	*	
Turpentine	A	D	+++	Iodine (in Pot Iodine) Aq.	D	*	
Urea	A	*		Nitric Acid Aq.	D	*	
Vaseline	A	B	=+	Perchloric Acid Aq.	D	*	
Vegetable Oils	A	C	++	Phenol Aq.	D	*	
Vinyl Chloride	A	*		Phosphoric Acid Aq.	D	*	
Water	A	A		Chlorine Bleach	D	*	
Wax (Molten)	A	C	++	Sulphuric Acid Aq.	D	*	
White Spirit	A	*		Sulphurous Acid Aq.	D	*	
Acetaldehyde Aq.	B	D	++	Xylene	D	D	=

LEGEND

A - No Attack, possibly slight absorption. Negligible effect on mechanical properties.

B - Slight attack by absorption. Some swelling and a small reduction in mechanical likely.

C - Moderate attack of appreciable absorption. Material will have limited life.

D - Material will decompose or dissolve in a short time.