

Flat Belts - List by Oil Resistance and Chemical Resistance

Type	Chemical Name	General Use / Sliding	Grip Type / Electronic Parts Conveyor	Non-Adhesive	Food Conveyor	Oil Resistant	Sliding	Inclined Transfer	General Use / Inclined Transfer	Inclined Transfer		
Cooking Oil	Linseed Oil									x		
	Corn Oil									-		
	Animal Oil									△		
	Vegetable Oil									△		
	Coconut Oil (Palm Oil)									△		
	Machine Oil	ASTM No.1 Oil									x	
		ASTM No.2 Oil									x	
		ASTM No.3 Oil									x	
		DOS									x	
		Grease									△	
		Paraffin Oil									△	
		Machining Oil									x	
		Others Fats	Glycerin									△
			Mineral Oil									x
		Antiseptic Solution	Sodium Chlorate									△
Hydrogen Chloride										△		
Hypochlorite Soda 400ppm										△		
Solvent	Electrolytic Hypochlorite Water 400ppm									△		
	Acetaldehyde									△		
	Acetone									x		
	Amyl Alcohol									x		
	Isooctane									△		
	Isopropyl Alcohol									△		
	Isopropyl Ether									x		
	Ethyl Alcohol									△		
	Ethylether (Ether)									x		
	Gasoline									x		
	Xylene (Xylol)									x		
	Cresol									x		
	Chloroform									x		
	Kerosene									△		
	Aluminium Acetate									x		
	Ethyl Acetate									x		
	Butyl Acetate									x		
	Carbon Tetrachloride									x		
	Cyclohexane									x		
	Dimethylformamide (DMF)									x		
	Petroleum									△		
	Trichloroethylene									x		
	Toluene (Triol)									x		
	Nitrobenzene									x		
	Carbon Disulfide									x		
	Perchloroethylene									x		
	Butyl Alcohol (Butanol)									△		
	Hexane									x		
	Heptane									△		
	Benzene (Benzol)									x		
	Benzaldehyde									x		
	Formaldehyde (Formalin) 37%									x		
	Methyl Alcohol (Methanol)									△		
	Methylethylketone (MEK)									x		
	Thinner (generic)									x		
	Acidic chemicals	Adipic Acid									△	
		Benzoic Acid									-	
		Zinc Chloride									△	
		Acetyl Chloride									x	
		Amyl Chloride									x	
Aluminum Chloride										△		
Chloroethane										x		
Calcium Chloride										△		
Ferrous Chloride*										△		
Ferric Chloride*										△		
Ethylene Chloride										△		
Hydrochloric Acid 5%										△		
Chlorine Gas										x		
Chlorine Water Solution										△		
Oleic Acid										△		
Formic Acid										x		
Citric Acid										x		
Glycolic Acid										x		

* Not applicable when used as liquid. ○: Applicable, △: May be applicable, x: Not applicable

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Acidic chemicals	Chromic acid									△
	Acetic Acid 10%									△
	Bromine									x
	Oxalic acid 20%									△
	Tartaric acid									△
	Nitric Acid 5%									△
	Nitric Acid 20%									x
	Ammonium Nitrate									△
	Calcium Nitrate									△
	Stearic Acid									△
	Trichloroisocyanuric acid									x
	Lactic Acid									△
	Fuming Sulfuric Acid									x
	Picric acid 10%									x
	Phenol (Carbolic acid)									x
Basic chemicals	Boric acid									△
	Maleic acid									△
	Iodine solution									△
	Sulfuric Acid 50%									△
	Phosphoric Acid 80%									△
	Aniline									x
	Ammonia gas									△
	Ammonia water solution									△
	Sodium Hydroxide (Sodium Hydroxide) 10%									△
	Sodium Chromate									△
	Developer (Hydroquinone)									△
	Sodium Acetate									△
	Sodium Bicarbonate									△
	Ammonium Hydroxide									△
	Potassium Hydrate									△
Urea									△	
Others Chemical	Sodium Sulfide									x
	Trisodium Phosphate 10%									△
	Antimony Salt									△
	Sulfur									△
	Sodium Chloride (Salt)									△
	Ozone									△
	Zinc Acetate									△
	Ammonium Acetate									△
	Lead Acetate									△
	Oxygen									△
	Salt Water (Seawater)									△
	Sodium Acid Sulfate									△
	Silver Nitrate									△
	Ferrous Nitrate									△
	Sodium Sulfate									△
	Calcium Hydroxide									△
	Steam (80°C or less)									△
	Soap									△
	Ammonium Carbonate									△
	Sodium Carbonate									△
	Sodium Thiosulfate (Hypo)									△
	Neutral Salts									△
	Sulfur Dioxide									△
	Nickel Salt									△
	Fertilizer (general)									△
	Freon gas									x
	Propane									△
	Polystyrene									x
	Magnesium Salt									△
	Aluminum Sulfide									△
	Ammonium Sulfide									△
	Hydrogen Sulfide									△
	Zinc Sulfate									△
	Aluminum sulfate									△
	Ammonium Sulfate									△
Calcium Sulfate									△	
Ferric Sulfate									△	
Sodium Sulfate									△	
Potassium Phosphate									△	
Sodium Acid Phosphate									△	

○ If the belt is used in a condition wherein it comes in contact with salty water, for eg. sea water, and the belt repeatedly gets (wet → dry), salt crystals are formed inside the belt and the belt contracts. △: Applicable, △: May be applicable, x: Not applicable
 * Same phenomenon can occur when any powder (flour, etc.) is rubbed over the reverse side of the belt.