



PE-500 2000x1000x50 mm natur

Artikelnr P1200356
Material PE

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	1.3	g/cm³	DIN EN ISO 1183-1
Tensile Strength	24.2	MPa	DIN EN ISO 527
Modulus of elasticity (tensile)	1100	MPa	DIN EN ISO 527
Break Elongation	138.75	%	DIN EN ISO 527
Melting point	132.5	°C	ISO 11357-3
Maximal operating temperature (short-term)	80	°C	
Maximum Operating Temperature	54	°C	
Minimum temperature	-100	°C	
Vicat softening temperature (VST/B/50)	79	°C	DIN EN ISO 306
Dielectric Strength	40	kV/mm	IEC 60243
Volume Resistivity	10 ¹⁴	Ω	DIN EN 62631-3-1
Dielectric Constant (1 MHz)	2.3	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0	-	IEC 60250
Dielectric loss factor (100 Hz)	0.0	-	IEC 60250
Flammability Classification (UL 94)	3		UL 94
Thermal Conductivity	0.4	W/(m·K)	DIN 52612-1
Surface Resistivity	~10 ⁸	Ω	DIN EN 62631-3-2
Comparative Tracking Index (CTI)	600	V	IEC 60112
Water absorption to saturation	0.0	%	DIN EN ISO 62
Water Absorption to Saturation	0.0	%	DIN EN ISO 62
Notched impact strength (Charpy)	2	kJ/m²	DIN EN ISO 179
Thermal Expansion Coefficient	2.4	10 ⁻⁴ /K	DIN 53752
Hardness Shore D	65	° Shore D	DIN EN ISO 868
Ball pressure hardness	50	MPa	ISO 2039-1

2. Kemisk beständighet

● Beständig ● Delvis beständig ● Ej beständig

Kemikalie	Konc.	Resultat
1,4-Dioxane	100%	●
2-Hydroxypropionic Acid	90%	●
Acetaldehyde	-	●
Acetic Acid	100%	●
Acetic acid	100%	●
Acetic acid	3%	●
Acetic acid	3% w/w	●
Acetic acid	3%	●
Acetic acid	3%	●
Acetic acid, aqueous	70%	●
Acetic anhydride	-	●
Acetone	-	●
Acetone	100%	●
Acronal dispersions	-	●
Acrylonitrile	-	●
Allyl acetate	-	●
Allyl alcohol	96%	●
Allyl chloride	-	●
Aluminium chloride, aqueous	any	●
Aluminium chloride, solid	-	●
Aluminium fluoride	Conc.	●
Aluminium hydroxide	-	●
Aluminium metaphosphate	-	●
Aluminium sulphate, aqueous saturated	-	●
Aluminium sulphate, solid	-	●
Ammonia	concentrated	●
Ammonia, gaseous	-	●
Ammonia, liquid	-	●
Ammonium Chloride	-	●
Amyl Alcohol	-	●
Aniline	any	●
Anisole	-	●

Kemikalie	Konc.	Resultat
Apple Juice	-	●
Aqua regia	-	●
Beer	-	●
Benzaldehyde, aqueous	any	●
Benzene	technically grade	●
Benzene	-	●
Benzoic acid, aqueous	any	●
Benzyl alcohol	-	●
Bitumen	-	●
Bleaching Solution	12.5 cl	●
Boric Acid	100%	●
Brake Fluid	-	●
Bromine, liquid	100%	●
Butanol, aqueous	any	●
Butter	-	●
Butyl Acetate	-	●
Calcium Chloride	-	●
Calcium carbonate	-	●
Calcium carbonate	-	●
Calcium hypochlorite, aqueous suspension	any	●
Camphor	-	●
Carbon Disulfide	100%	●
Carbon Tetrachloride	-	●
Carbon disulphide	-	●
Caustic soda	any	●
Chlorine (gas)	100%	●
Chlorine, liquid	-	●
Chloroacetic acid, aqueous	≤85%	●
Chlorobenzene	100%	●
Chlorobenzene	-	●
Chloroform	technically grade	●
Chloroform	-	●
Chromosulphuric acid	-	●
Cider	-	●

Kemikalie	Konc.	Resultat
Citric Acid	10%	●
Citrus fruit juices	-	●
Coconut oil	-	●
Cod liver oil	-	●
Cresol	-	●
Cresol	100%	●
Cyclohexane	-	●
Cyclohexanol	-	●
Cyclohexanone	100%	●
Cyclohexanone	-	●
Cyclohexene	100%	●
Detergents	-	●
Dibutyl ether	-	●
Dibutyl phthalate	-	●
Dichloroacetic acid	-	●
Dichloroethane	-	●
Diesel Fuel	-	●
Diesel fuel	-	●
Diethylene Oxide	-	●
Diglycolic acid, aqueous	30%	●
Dimethyl formamide	-	●
Dimethylamine	-	●
Dioxane	-	●
Ethanol	10%	●
Ethanol	10%	●
Ethanol	10% v/v	●
Ethanol	10%	●
Ethyl Acetate	100%	●
Ethyl Alcohol	96%	●
Ethyl acetate	-	●
Ethylene Chloride	100%	●
Ethylene alcohol	96%	●
Ethylene chloride	-	●
Ethylene diamine	-	●
Ethylene glycol	-	●

Kemikalie	Konc.	Resultat
Ferric chloride, aqueous	any	●
Ferric nitrate, aqueous saturated	-	●
Ferric sulphate, aqueous saturated	-	●
Ferrous (II) chloride, aqueous saturated	-	●
Ferrous (II) sulfate, aqueous saturated	-	●
Ferrous (III) chloride, aqueous saturated	-	●
Ferrous (III) nitrate, aqueous saturated	-	●
Ferrous (III) sulfate, aqueous saturated	-	●
Food Oil	-	●
Formaldehyde (aqueous)	40%	●
Formaldehyde, aqueous	≤40%	●
Formic Acid	10%	●
Formic acid, aqueous	85%	●
Frigen 12 (Freon 12)	100%	●
Frost Protection Agent	-	●
Fruit juices	any	●
Fuel (aromatic free)	-	●
Fuel oil	-	●
Furfural	-	●
Glycerin, aqueous	any	●
Glycerine	100%	●
Glycol	100%	●
Glykol, aqueous	as supplied	●
Glysantin	-	●
Heating Oil	-	●
Heptane	-	●
Heptane	100%	●
Hexane	-	●
Honey	-	●
Hydrobromic acid, aqueous	50%	●
Hydrochloric Acid	10%	●
Hydrochloric Acid (concentrated)	concentrated	●
Hydrochloric acid, aqueous	any	●
Hydrofluoric Acid	40%	●
Hydrogen Peroxide	10%	●

Kemikalie	Konc.	Resultat
Hydrogen Sulfide (aqueous solution)	-	●
Ink	-	●
Iodine in potassium iodide solution	3% iodine	●
Isooctane	-	●
Isopropanol	-	●
Isopropyl Alcohol	100%	●
Isopropyl ether	-	●
Jam	-	●
Kerosene	-	●
Linseed Oil	-	●
Linseed oil	technically grade	●
Lithium bromide	-	●
Magnesium stearate	-	●
Magnesium stearate	-	●
Maleic acid, aqueous	any	●
Menthol	-	●
Mercurochrome	-	●
Mercury	-	●
Methanol	technically grade	●
Methyl Alcohol	100%	●
Methyl Ethyl Ketone (MEK)	100%	●
Methyl chloride	gaseous, technically grade	●
Methyl ethyl ketone	technically grade	●
Methylene Chloride	100%	●
Milk	-	●
Milk	-	●
Mineral Oil (aromatic free)	-	●
Molasses	-	●
Motor oil (heavy duty oil) without additives	-	●
Naphtha	-	●
Naphthalene	-	●
Nitric Acid	10%	●
Nitric Acid (50%)	50%	●
Nitric acid, aqueous	50%	●

Kemikalie	Konc.	Resultat
Nitric acid, aqueous	25%	●
Nitrobenzene	-	●
Nitrobenzene	-	●
Oils, ethereal	-	●
Oils, vegetable and animal	-	●
Oleic acid	-	●
Oleum	any	●
Olive oil	-	●
Olive oil	-	●
Olive oil	-	●
Olive oil	-	●
Oxalic Acid	-	●
Oxalic acid, aqueous	any	●
Oxygen	-	●
Ozone	50 ppm	●
Ozone Gas	≤0.5 ppm	●
Paraffine Oil	100%	●
Perchloric acid, aqueous	70%	●
Perchloric acid, aqueous	50%	●
Perchloric acid, aqueous	20%	●
Perchloroethylene	-	●
Petroleum	100%	●
Petroleum	-	●
Petroleum Ether	100%	●
Petroleum ether	-	●
Phenol	-	●
Phenol (aqueous)	≈9%	●
Phosphoric Acid	50%	●
Phosphoric acid, aqueous	50%	●
Phosphoric acid, aqueous	80% L 95%	●
Phosphorus trichloride	-	●
Photographic developers	-	●
Photographic emulsions	as supplied	●
Photographic fixing baths	as supplied	●

Kemikalie	Konc.	Resultat
Phthalic acid, aqueous	50%	●
Polyester resins	-	●
Potassium Hydroxide liquor	50%	●
Premium Fuel	-	●
Propionic acid, aqueous	any	●
Propyl Alcohol	-	●
Pyridine	-	●
Pyridine	-	●
Sea water	-	●
Silicon dioxide	-	●
Silicon dioxide	-	●
Silicone Oil	-	●
Silicone oil	technically grade	●
Sodium Carbonate (aqueous)	-	●
Sodium Chloride (aqueous)	-	●
Sodium Hydrogen Sulfite	-	●
Sodium Hydroxide liquor	15%	●
Sodium Hydroxide liquor (60%)	60%	●
Sodium Nitrate (aqueous)	-	●
Sodium Thiosulfate	-	●
Sodium borate	-	●
Sodium bromide	-	●
Sodium hydroxide, aqueous	any	●
Sodium hydroxide, solid	-	●
Stearic acid	-	●
Sugar syrup	-	●
Sulfuric Acid	96%	●
Sulphuric acid, aqueous	98%	●
Sulphuric acid, aqueous	≤50%	●
Sulphuric acid, aqueous	70%	●
Sulphuric acid, aqueous	80%	●
Tallow	technically grade	●
Tannic acid (tannin), aqueous	10%	●
Tetrahydrofuran	technically grade	●

Kemikalie	Konc.	Resultat
Tetrahydrofuran (THF)	100%	
Thionyl chloride	-	
Thiophene	-	
Tin (II) chloride, aqueous	any	
Tin (IV) chloride, aqueous	saturated	
Titanium dioxide	-	
Titanium dioxide	-	
Toluene	100%	
Toluene	technically grade	
Transformer Oil	-	
Transformer oil (insulating oil)	technically grade	
Trichloroacetic acid	technically grade	
Trichloroethylene	technically grade	
Trichloroethylene	100%	
Triethanolamine	-	
Triethanolamine	-	
Turpentine oil	technically grade	
Urea, aqueous	≤33%	
Vaseline	technically grade	
Vinegar (standard)	5-10%	
Washing up liquids	usual	
Water	-	
Water, distilled	-	
Wine	-	
Xylene	-	
Xylene	-	
Zinc sludge	-	