



PE-HD 45x1000 mm natur

Artikelnr P1003284
Material PE

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	0.96	g/cm³	ISO 1183
Tensile Strength	20	MPa	ISO 527
Modulus of elasticity (tensile)	1200	MPa	ISO 527
Breakdown Voltage	13	MPa	ISO 527
Break Elongation	200	%	ISO 527
Melting point	135	°C	ISO 3146
Maximal operating temperature (short-term)	95	°C	UL746B
Maximum Operating Temperature	76	°C	
Minimum temperature	-51	°C	
Heat deflection temperature (HDT/A)	45	°C	ISO 75-2
Heat deflection temperature (HDT/B)	69	°C	ISO 75
Vicat softening temperature (VST/B/50)	79	°C	ISO 306
Dielectric Strength	45	kV/mm	IEC 60243-1
Volume Resistivity	10 ¹²	Ω·cm	EN 61340-5-1
Dielectric Constant (1 MHz)	2.4	-	IEC 60250
Dielectric Constant (100 Hz)	2.3	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0	-	IEC 60250
Dielectric loss factor (100 Hz)	0.0	-	IEC 60250
Flexural Strength	20	MPa	ISO527-2
Thermal Conductivity	0.4	W/(m·K)	DIN 52612
Surface Resistivity	10 ¹³	Ω	EN 61340-5-1
Comparative Tracking Index (CTI)	600	V	IEC 60112
Water absorption to saturation	0.01	%	ISO 62
Water Absorption to Saturation	0.01	%	ISO 62
Notched impact strength (Charpy)	7.5	kJ/m²	ISO 179/1eA

Egenskap	Värde	Enhet	Standard
Impact Resistance (Charpy)	15	kJ/m²	ISO 179/1eU
Thermal Expansion Coefficient	2	10 ⁻⁴ /K	ISO 11359
Hardness Shore D	60	° Shore D	shore D
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 (lactic acid)	90%	●
Acetaldehyde	-	●
Acetic acid	100%	●
Acetic acid	100%	●
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	●

Kemikalie	Konc.	Resultat
Anisole	-	●
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 hypochlorite, aqueous suspension	any	●
Camphor	-	●
Carbon disulphide	100%	●
Carbon disulphide	-	●
Carbon tetrachloride	-	●
Caustic soda (NaOH)	any	●
Chlorine (gas)	100%	●
Chlorine, liquid	-	●
Chloroacetic acid, aqueous	≤85%	●
Chlorobenzene	100%	●
Chlorobenzene	-	●
Chloroform	technically grade	●
Chloroform	-	●
Chromosulphuric acid	-	●
Cider	-	●
Citric acid	10%	●
Citrus fruit juices	-	●

Kemikalie	Konc.	Resultat
Coconut oil	-	●
Cod liver oil	-	●
Cresol	100%	●
Cresol	-	●
Cyclohexane	-	●
Cyclohexanol	-	●
Cyclohexanone	100%	●
Cyclohexanone	-	●
Cyclohexene	100%	●
Detergents	usual	●
Detergents	-	●
Dibutyl ether	-	●
Dibutyl phthalate	-	●
Dichloroacetic acid	-	●
Dichloroethane	-	●
Diesel	-	●
Diesel	-	●
Diethylene oxide	-	●
Diglycolic acid, aqueous	30%	●
Dimethyl formamide (DMF)	-	●
Dimethylamine	-	●
Dioxane	-	●
Essential oils	-	●
Ethyl acetate	-	●
Ethyl acetate	100%	●
Ethyl alcohol (ethanol)	96%	●
Ethylene alcohol	96%	●
Ethylene chloride	100%	●
Ethylene chloride	-	●
Ethylene diamine	-	●
Ethylene glycol	-	●
Ferric chloride, aqueous	any	●
Ferric nitrate, aqueous saturated	-	●
Ferric nitrate, aqueous saturated	-	●

Kemikalie	Konc.	Resultat
Ferric sulphate, aqueous saturated	-	●
Ferric sulphate, aqueous saturated	-	●
Ferrous (II) chloride, aqueous saturated	-	●
Ferrous (II) sulfate, aqueous saturated	-	●
Ferrous (III) chloride, 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	-	●
Fuel oil	-	●
Furfural	-	●
Glycerine	100%	●
Glycerine, aqueous	any	●
Glycol	100%	●
Glycol, aqueous	as supplied	●
Glysantin	-	●
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%	●
Hydrogen sulfide (aqueous)	-	●
Ink	-	●
Iodine in potassium iodide solution	3% iodine	●

Kemikalie	Konc.	Resultat
Isooctane	-	●
Isopropanol	-	●
Isopropyl alcohol	100%	●
Isopropyl ether	-	●
Jam	-	●
Kerosene	-	●
Linseed oil	technically grade	●
Linseed oil	-	●
Lithium bromide	-	●
Maleic acid, aqueous	any	●
Menthol	-	●
Mercurochrome	-	●
Mercury	-	●
Methanol	technically grade	●
Methyl alcohol (methanol)	100%	●
Methyl chloride	gaseous, technically grade	●
Methyl ethyl ketone (MEK)	100%	●
Methyl ethyl ketone (MEK)	technically grade	●
Methylene chloride	100%	●
Milk	-	●
Milk	-	●
Mineral oil (aromatic free)	-	●
Molasses	-	●
Motor oil (heavy duty) without additives	-	●
Naphtha	-	●
Naphthalene	-	●
Nitric acid	10%	●
Nitric acid (50%)	50%	●
Nitric acid, aqueous	50%	●
Nitric acid, aqueous	25%	●
Nitrobenzene	-	●
Nitrobenzene	-	●
Oils, vegetable and animal	-	●
Oleic acid	-	●

Kemikalie	Konc.	Resultat
Oleum (fuming sulphuric acid)	any	
Oxalic acid	-	
Oxalic acid, aqueous	any	
Oxygen	-	
Ozone	50 ppm	
Ozone (gas)	≤0.5 ppm	
Paraffin oil	100%	
Perchloric acid, aqueous	20%	
Perchloric acid, aqueous	50%	
Perchloric acid, aqueous	70%	
Perchloroethylene	-	
Petroleum	-	
Petroleum ether	-	
Petroleum ether	100%	
Phenol	-	
Phenol (aqueous)	≈9%	
Phosphoric acid	50%	
Phosphoric acid, aqueous	80% L 95%	
Phosphoric acid, aqueous	50%	
Phosphorus trichloride	-	
Photographic developer	-	
Photographic emulsion	as supplied	
Photographic fixing bath	as supplied	
Phthalic acid, aqueous	50%	
Polyester resins	-	
Potassium hydroxide solution	50%	
Premium fuel	-	
Propionic acid, aqueous	any	
Propyl alcohol	-	
Pyridine	-	
Pyridine	-	
Sea water	-	
Silicone oil	technically grade	
Silicone oil	-	
Sodium borate (borax)	-	

Kemikalie	Konc.	Resultat
Sodium bromide	-	●
Sodium carbonate (aqueous)	-	●
Sodium chloride (aqueous)	-	●
Sodium hydrogen sulfite	-	●
Sodium hydroxide solution (60%)	60%	●
Sodium hydroxide solution (caustic soda)	15%	●
Sodium hydroxide, aqueous	any	●
Sodium hydroxide, solid	-	●
Sodium nitrate (aqueous)	-	●
Sodium thiosulfate	-	●
Stearic acid	-	●
Sugar syrup	-	●
Sulphuric acid	96%	●
Sulphuric acid, aqueous	≤50%	●
Sulphuric acid, aqueous	98%	●
Sulphuric acid, aqueous	80%	●
Sulphuric acid, aqueous	70%	●
Tallow	technically grade	●
Tannic acid (tannin), aqueous	10%	●
Tetrahydrofuran (THF)	technically grade	●
Tetrahydrofuran (THF)	100%	●
Thionyl chloride	-	●
Thiophene	-	●
Tin (II) chloride, aqueous	any	●
Tin (IV) chloride, aqueous	saturated	●
Toluene	technically grade	●
Toluene	100%	●
Transformer oil	-	●
Transformer oil (insulating oil)	technically grade	●
Trichloroacetic acid	technically grade	●
Trichloroethylene	100%	●
Trichloroethylene	technically grade	●
Triethanolamine	-	●
Turpentine oil	technically grade	●

Kemikalie	Konc.	Resultat
Urea, vattenl.	≤33%	●
Vaseline	technically grade	●
Vinegar (standard)	5-10%	●
Water	-	●
Water, distilled	-	●
Wine	-	●
Xylene	-	●
Xylene	-	●
Zinc sludge	-	●