PLASTSHOP.SE

Komplett teknisk dokumentation

PlastShop.se - 2026-03-26

PE-HD 3000x1500x20 mm natur

Artikelnr	P1200476
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	100%	🟢
Acetone	-	🟢
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	-	🔴
Carbon disulphide	100%	🟡
Carbon tetrachloride	-	🟡
Caustic soda (NaOH)	any	🟢
Chlorine (gas)	100%	🟡
Chlorine, liquid	-	🔴
Chloroacetic acid, aqueous	≤85%	🟢
Chlorobenzene	100%	🟡
Chlorobenzene	-	🟡
Chloroform	-	🟡
Chloroform	technically grade	🟡
Chromosulphuric acid	-	🔴
Cider	-	🟢
Citric acid	10%	🟢
Citrus fruit juices	-	🟢

Kemikalie	Konc.	Resultat
Coconut oil	-	🟢
Cod liver oil	-	🟢
Cresol	-	🟢
Cresol	100%	🟢
Cyclohexane	-	🟢
Cyclohexanol	-	🟢
Cyclohexanone	100%	🟢
Cyclohexanone	-	🟢
Cyclohexene	100%	🟢
Detergents	-	🟢
Detergents	usual	🟢
Dibutyl ether	-	🟢
Dibutyl phthalate	-	🟢
Dichloroacetic acid	-	🟢
Dichloroethane	-	🟡
Diesel	-	🟢
Diesel	-	🟢
Diethylene oxide	-	🟢
Diglycolic acid, aqueous	30%	🟢
Dimethyl formamide (DMF)	-	🟢
Dimethylamine	-	🟢
Dioxane	-	🟢
Essential oils	-	🟡
Ethyl acetate	100%	🟢
Ethyl acetate	-	🟢
Ethyl alcohol (ethanol)	96%	🟢
Ethylene alcohol	96%	🟢
Ethylene chloride	-	🔴
Ethylene chloride	100%	🟢
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	100%	🟢
Heptane	-	🟢
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)	technically grade	🟢
Methyl ethyl ketone (MEK)	100%	🔴
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	70%	🟢
Perchloric acid, aqueous	20%	🟢
Perchloric acid, aqueous	50%	🟢
Perchloroethylene	-	🟡
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 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	-	🟢
Silicone oil	technically grade	🟢
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	70%	🟢
Sulphuric acid, aqueous	80%	🟢
Sulphuric acid, aqueous	98%	🟢
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	100%	🟡
Toluene	technically grade	🔴
Transformer oil	-	🟢
Transformer oil (insulating oil)	technically grade	🟢
Trichloroacetic acid	technically grade	🟢
Trichloroethylene	technically grade	🔴
Trichloroethylene	100%	🟢
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	-	🟢