



PE-500 3000x1500x12 mm natur

Artikelnr P2200523

Material PE

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	1.3	g/cm ³	DIN EN ISO 1183-1
Commercial product name	Polyeten (PE)		
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
GHS classification	Brandfarlig vid höga temperaturer.. Damm kan orsaka mekanisk irritation vid bearbetning.		
Physical/chemical hazards	Brandfarlig vid höga temperaturer.		
Health Hazards	Damm kan orsaka mekanisk irritation vid bearbetning.		
Flammability Classification (UL 94)	3		UL 94
Environmental Hazards	Inga kända miljörisker. Inte biologiskt nedbrytbart.		
Chemical Characterization	Polyeten (PE), CAS 9002-88-4		

Egenskap	Värde	Enhet	Standard
Hazardous Substances	Produkten innehåller inga farliga ämnen som påbjuder ett röjande.		
General Information	Produkten klassas som ofarlig.		
Inhalation	Vid inandning av rök/ångor: flytta till frisk luft, håll varm, sök läkarvård vid behov.		
Skin Contact	Vid kontakt med smält material: kyl omedelbart med kallt vatten. Ta inte bort stelnat material. Sök sjukvård.		
In case of eye contact	Spola med rikliga mängder vatten. Sök sjukvård om irritation kvarstår.		
Ingestion	Då produkten är ofarlig behöver ingen första hjälp vidtas.		
Suitable extinguishing media	Vatten, skum, gasformiga och torra släckmedel.		
Personal protective equipment	Inte tillämpligt.		
Environmental precautions	Inte tillämpligt.		
Methods of Disinfection	Mekanisk borttagning.		
Advice on safe handling	Sug bort spån vid bearbetning. Undvik överhettning.		
Occupational Exposure Limits	Ingredienser med yrkesmässiga exponeringsgränser som ska övervakas: Inga.		
Physical Form	Platta, rundstång, rör		
Physical State	Fast		
Color	Naturvit till svart		
Odour	Luktfri		
Conditions to Avoid	Temperaturer över smältpunkten. Undvik UV-exponering.		
Materials to Avoid	Starka oxidanter, syror.		
Hazardous Decomposition Products	Koldioxid, kolmonoxid, vaxångor.		
Acute Toxicity	Inga negativa hälseffekter förväntas vid hantering enligt rekommendationer.		
Skin Irritation	Inte tillämpligt.		
Eye Irritation	Inte tillämpligt.		
Sensitization	Ingen känd.		
Environmental Impact	Materialet är inte skadligt för miljön, men är inte biologiskt nedbrytbart.		
Waste management	Kasseras enligt lokala bestämmelser. Materialåtervinning möjlig.		
Transport classification	Inte klassificerad som farligt gods.		
REACH information	Produkten kräver ingen varningsetikett enligt EU-direktiv.		
Disclaimer	Informationen är baserad på nuvarande kunskapsnivå. Säkerhetsdatabladet gäller material tillhandahållet av PlastShop.se.		
Company Name	ARC Gruppen AB // PlastShop.se		
Phone	013-328 9400		
Email	info@plastshop.se		
Thermal Conductivity	0.4	W/(m·K)	DIN 52612-1

Egenskap	Värde	Enhet	Standard
Surface Resistivity	~10 ⁸	Ω	DIN EN 62631-3-2
Comparative Tracking Index (CTI)	600	V	IEC 60112
Hazardous Combustion Products	Vid förbränning kan koldioxid, kolmonoxid och vaxångor frigöras.		
Firefighting	Använd andningsskydd. Brandrester omhändertas enligt lokala regler.		
Additional information	Brandrester omhändertas efter gällande lokala regler.		
Storage conditions	Förvara torrt och svalt. Håll borta från öppen låga. Välventilerade utrymmen.		
Breathing Protection	Adekvat ventilering vid bearbetning.		
Eye protection	Skyddsglasögon vid bearbetning.		
Hand protection	Skyddshandskar vid kontakt med varmt material.		
Body Protection	Arbetskläder.		
Hygiene Measures	Välventilerad arbetsplats. Undvik inandning av damm vid bearbetning.		
Melting point	125-135°C (PE-HD), 130-145°C (PE-UHMW)		
Decomposition Temperature	>350 °C		
Flash point	>300 °C		
Self-ignition temperature	ca 350°C		
GefStoffV (Germany)	Ingen identifikation nödvändig.		
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/m ²	DIN EN ISO 179
Thermal Expansion Coefficient	2.4	10 ⁻⁴ /K	DIN 53752
Density (20°C)	0,93-0,97 g/cm³ (PE-HD), ISO 1183		
Solubility (water)	Olöslig i vatten		
Explosion Risk	Icke explosiv		
Oxidation Characteristics	Ingen		
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%	●

Kemikalie	Konc.	Resultat
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	-	●
Apple Juice	-	●
Aqua regia	-	●
Beer	-	●
Benzaldehyde, aqueous	any	●
Benzene	technically grade	●

Kemikalie	Konc.	Resultat
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	-	●
Citric Acid	10%	●
Citrus fruit juices	-	●
Coconut oil	-	●
Cod liver oil	-	●
Cresol	-	●
Cresol	100%	●

Kemikalie	Konc.	Resultat
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% v/v	●
Ethanol	10%	●
Ethanol	10%	●
Ethanol	10%	●
Ethyl Acetate	100%	●
Ethyl Alcohol	96%	●
Ethyl acetate	-	●
Ethylene Chloride	100%	●
Ethylene alcohol	96%	●
Ethylene chloride	-	●
Ethylene diamine	-	●
Ethylene glycol	-	●
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	-	●

Kemikalie	Konc.	Resultat
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	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 solution)	-	●
Ink	-	●
Iodine in potassium iodide solution	3% iodine	●
Isooctane	-	●
Isopropanol	-	●

Kemikalie	Konc.	Resultat
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%	●
Nitric acid, aqueous	25%	●
Nitrobenzene	-	●
Nitrobenzene	-	●
Oils, ethereal	-	●
Oils, vegetable and animal	-	●
Oleic acid	-	●

Kemikalie	Konc.	Resultat
Oleum	any	●
Olive oil	-	●
Oxalic Acid	-	●
Oxalic acid, aqueous	any	●
Oxygen	-	●
Ozone	50 ppm	●
Ozone Gas	≤0.5 ppm	●
Paraffine Oil	100%	●
Perchloric acid, aqueous	50%	●
Perchloric acid, aqueous	20%	●
Perchloric acid, aqueous	70%	●
Perchloroethylene	-	●
Petroleum	-	●
Petroleum	100%	●
Petroleum Ether	100%	●
Petroleum ether	-	●
Phenol	-	●
Phenol (aqueous)	≈9%	●
Phosphoric Acid	50%	●
Phosphoric acid, aqueous	80% L 95%	●
Phosphoric acid, aqueous	50%	●
Phosphorus trichloride	-	●
Photographic developers	-	●
Photographic emulsions	as supplied	●
Photographic fixing baths	as supplied	●
Phthalic acid, aqueous	50%	●
Polyester resins	-	●
Potassium Hydroxide liquor	50%	●
Premium Fuel	-	●
Propionic acid, aqueous	any	●
Propyl Alcohol	-	●
Pyridine	-	●

Kemikalie	Konc.	Resultat
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	80%	●
Sulphuric acid, aqueous	98%	●
Sulphuric acid, aqueous	≤50%	●
Sulphuric acid, aqueous	70%	●
Tallow	technically grade	●
Tannic acid (tannin), aqueous	10%	●
Tetrahydrofuran	technically grade	●
Tetrahydrofuran (THF)	100%	●
Thionyl chloride	-	●
Thiophene	-	●
Tin (II) chloride, aqueous	any	●
Tin (IV) chloride, aqueous	saturated	●
Titanium dioxide	-	●

Kemikalie	Konc.	Resultat
Titanium dioxide	-	●
Toluene	technically grade	●
Toluene	100%	●
Transformer Oil	-	●
Transformer oil (insulating oil)	technically grade	●
Trichloroacetic acid	technically grade	●
Trichloroethylene	100%	●
Trichloroethylene	technically grade	●
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	-	●