



PE-HD 2000x1000x6 mm natur

Artikelnr P1200459
Material PE

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	0.96	g/cm³	ISO 1183
Commercial product name	Polyeten (PE)		
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
GHS classification	Brandfarlig vid höga temperaturer.. Damm kan orsaka mekanisk irritation vid bearbetning.		
Dielectric Strength	45	kV/mm	IEC 60243-1
Physical/chemical hazards	Brandfarlig vid höga temperaturer.		
Volume Resistivity	10 ¹²	Ω·cm	EN 61340-5-1
Health Hazards	Damm kan orsaka mekanisk irritation vid bearbetning.		
Dielectric Constant (1 MHz)	2.4	-	IEC 60250
Environmental Hazards	Inga kända miljörisker. Inte biologiskt nedbrytbart.		
Dielectric Constant (100 Hz)	2.3	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0	-	IEC 60250

Egenskap	Värde	Enhet	Standard
Dielectric loss factor (100 Hz)	0.0	-	IEC 60250
Chemical Characterization	Polyeten (PE), CAS 9002-88-4		
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 hälsoeffekter 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.		
Flexural Strength	20	MPa	ISO527-2
Company Name	ARC Gruppen AB // PlastShop.se		
Phone	013-328 9400		

Egenskap	Värde	Enhet	Standard
Email	info@plastshop.se		
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
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	0.01	%	ISO 62
Water Absorption to Saturation	0.01	%	ISO 62
Notched impact strength (Charpy)	7.5	kJ/m²	ISO 179/1eA
Impact Resistance (Charpy)	15	kJ/m²	ISO 179/1eU
Thermal Expansion Coefficient	2	10 ⁻⁴ /K	ISO 11359
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	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	●
Anisole	-	●
Aqua regia	-	●
Beer	-	●
Benzaldehyde, aqueous	any	●
Benzene	technically grade	●
Benzene	-	●
Benzoic acid, aqueous	any	●
Benzyl alcohol	-	●

Kemikalie	Konc.	Resultat
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	-	●
Coconut oil	-	●
Cod liver oil	-	●
Cresol	-	●
Cresol	100%	●
Cyclohexane	-	●
Cyclohexanol	-	●
Cyclohexanone	100%	●
Cyclohexanone	-	●
Cyclohexene	100%	●

Kemikalie	Konc.	Resultat
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	-	●
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%	●

Kemikalie	Konc.	Resultat
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	●
Isooctane	-	●
Isopropanol	-	●
Isopropyl alcohol	100%	●
Isopropyl ether	-	●
Jam	-	●
Kerosene	-	●
Linseed oil	technically grade	●
Linseed oil	-	●
Lithium bromide	-	●

Kemikalie	Konc.	Resultat
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	-	●
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%	●

Kemikalie	Konc.	Resultat
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)	-	
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)	-	

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

