



## PE Ultra HD Ast 2000x1000x30 mm svart

Artikelnr P1400179

Material PE

### 1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	3	g/cm <sup>3</sup>	DIN EN ISO 1183-1
Commercial product name	<b>Polyeten (PE)</b>		
Tensile Strength	20	MPa	DIN EN ISO 527
Modulus of elasticity (tensile)	650	MPa	DIN EN ISO 527
Break Elongation	50	%	DIN EN ISO 527
Melting point	133	°C	ISO 11357-3
Maximal operating temperature (short-term)	130	°C	
Maximum Operating Temperature	80	°C	
Minimum temperature	-200	°C	
Volume Resistivity	10 <sup>9</sup>	Ω	DIN EN 62631-3-1
Flammability Classification (UL 94)	3		UL 94
GHS classification	<b>Brandfarlig vid höga temperaturer.. Damm kan orsaka mekanisk irritation vid bearbetning.</b>		
Physical/chemical hazards	<b>Brandfarlig vid höga temperaturer.</b>		
Health Hazards	<b>Damm kan orsaka mekanisk irritation vid bearbetning.</b>		
Environmental Hazards	<b>Inga kända miljörisker. Inte biologiskt nedbrytbart.</b>		
Chemical Characterization	<b>Polyeten (PE), CAS 9002-88-4</b>		
Hazardous Substances	<b>Produkten innehåller inga farliga ämnen som påbjuder ett röjande.</b>		
General Information	<b>Produkten klassas som ofarlig.</b>		
Inhalation	<b>Vid inandning av rök/ångor: flytta till frisk luft, håll varm, sök läkarvård vid behov.</b>		
Skin Contact	<b>Vid kontakt med smält material: kyl omedelbart med kallt vatten. Ta inte bort stelnat material. Sök sjukvård.</b>		
In case of eye contact	<b>Spola med rikliga mängder vatten. Sök sjukvård om irritation kvarstår.</b>		

Egenskap	Värde	Enhet	Standard
Ingestion	<b>Då produkten är ofarlig behöver ingen första hjälp vidtas.</b>		
Suitable extinguishing media	<b>Vatten, skum, gasformiga och torra släckmedel.</b>		
Personal protective equipment	<b>Inte tillämpligt.</b>		
Environmental precautions	<b>Inte tillämpligt.</b>		
Methods of Disinfection	<b>Mekanisk borttagning.</b>		
Advice on safe handling	<b>Sug bort spån vid bearbetning. Undvik överhettning.</b>		
Occupational Exposure Limits	<b>Ingredienser med yrkesmässiga exponeringsgränser som ska övervakas: Inga.</b>		
Physical Form	<b>Platta, rundstång, rör</b>		
Physical State	<b>Fast</b>		
Color	<b>Naturvit till svart</b>		
Odour	<b>Luktfri</b>		
Conditions to Avoid	<b>Temperaturer över smältpunkten. Undvik UV-exponering.</b>		
Materials to Avoid	<b>Starka oxidanter, syror.</b>		
Hazardous Decomposition Products	<b>Koldioxid, kolmonoxid, vaxångor.</b>		
Acute Toxicity	<b>Inga negativa hälseffekter förväntas vid hantering enligt rekommendationer.</b>		
Skin Irritation	<b>Inte tillämpligt.</b>		
Eye Irritation	<b>Inte tillämpligt.</b>		
Sensitization	<b>Ingen känd.</b>		
Environmental Impact	<b>Materialet är inte skadligt för miljön, men är inte biologiskt nedbrytbart.</b>		
Waste management	<b>Kasseras enligt lokala bestämmelser. Materialåtervinning möjlig.</b>		
Transport classification	<b>Inte klassificerad som farligt gods.</b>		
REACH information	<b>Produkten kräver ingen varningsetikett enligt EU-direktiv.</b>		
Disclaimer	<b>Informationen är baserad på nuvarande kunskapsnivå. Säkerhetsdatabladet gäller material tillhandahållet av PlastShop.se.</b>		
Company Name	<b>ARC Gruppen AB // PlastShop.se</b>		
Phone	<b>013-328 9400</b>		
Email	<b>info@plastshop.se</b>		
Thermal Conductivity	<b>0.4</b>	W/(m·K)	DIN 52612
Surface Resistivity	<b>10<sup>9</sup></b>	Ω	DIN EN 62631-3-2
Hazardous Combustion Products	<b>Vid förbränning kan koldioxid, kolmonoxid och vaxångor frigöras.</b>		
Firefighting	<b>Använd andningsskydd. Brandrester omhändertas enligt lokala regler.</b>		
Additional information	<b>Brandrester omhändertas efter gällande lokala regler.</b>		
Storage conditions	<b>Förvara torrt och svalt. Håll borta från öppen låga. Välventilerade utrymmen.</b>		
Breathing Protection	<b>Adekvat ventilering vid bearbetning.</b>		

Egenskap	Värde	Enhet	Standard
Eye protection	<b>Skyddsglasögon vid bearbetning.</b>		
Hand protection	<b>Skyddshandskar vid kontakt med varmt material.</b>		
Body Protection	<b>Arbetskläder.</b>		
Hygiene Measures	<b>Välventilerad arbetsplats. Undvik inandning av damm vid bearbetning.</b>		
Melting point	<b>125-135°C (PE-HD), 130-145°C (PE-UHMW)</b>		
Decomposition Temperature	<b>&gt;350 °C</b>		
Flash point	<b>&gt;300 °C</b>		
Self-ignition temperature	<b>ca 350°C</b>		
GefStoffV (Germany)	<b>Ingen identifikation nödvändig.</b>		
Water absorption to saturation	<b>0.01</b>	%	
Water Absorption to Saturation	<b>0.01</b>	%	
Notched impact strength (Charpy)	<b>2</b>	kJ/m <sup>2</sup>	DIN EN ISO 179
Impact Resistance (Charpy)	<b>2</b>	kJ/m <sup>2</sup>	DIN EN ISO 179
Thermal Expansion Coefficient	<b>1.75</b>	10 <sup>-4</sup> /K	DIN 53 752
Density (20°C)	<b>0,93-0,97 g/cm<sup>3</sup> (PE-HD), ISO 1183</b>		
Solubility (water)	<b>Olöslig i vatten</b>		
Explosion Risk	<b>Icke explosiv</b>		
Oxidation Characteristics	<b>Ingen</b>		
Hardness Shore D	<b>60</b>	° Shore D	DIN EN ISO 868
Ball pressure hardness	<b>34</b>	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%	●

Kemikalie	Konc.	Resultat
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	●
Benzene	-	●
Benzoic acid, aqueous	any	●
Benzyl alcohol	-	●
Bitumen	-	●
Bleaching Solution	12.5 cl	●
Boric Acid	100%	●
Brake Fluid	-	●

Kemikalie	Konc.	Resultat
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%	●
Cyclohexane	-	●
Cyclohexanol	-	●
Cyclohexanone	-	●
Cyclohexanone	100%	●
Cyclohexene	100%	●
Detergents	-	●

Kemikalie	Konc.	Resultat
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% v/v	●
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	-	●
Ferrous (III) nitrate, aqueous saturated	-	●
Ferrous (III) sulfate, aqueous saturated	-	●
Food Oil	-	●
Formaldehyde (aqueous)	40%	●
Formaldehyde, aqueous	≤40%	●

Kemikalie	Konc.	Resultat
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%	●
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	●

Kemikalie	Konc.	Resultat
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	-	●
Oleum	any	●
Olive oil	-	●
Oxalic Acid	-	●

Kemikalie	Konc.	Resultat
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	-	●
Petroleum	100%	●
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	●
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	-	●

Kemikalie	Konc.	Resultat
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	●
Tetrahydrofuran (THF)	100%	●
Thionyl chloride	-	●
Thiophene	-	●
Tin (II) chloride, aqueous	any	●
Tin (IV) chloride, aqueous	saturated	●
Titanium dioxide	-	●
Titanium dioxide	-	●
Toluene	technically grade	●
Toluene	100%	●
Transformer Oil	-	●
Transformer oil (insulating oil)	technically grade	●
Trichloroacetic acid	technically grade	●
Trichloroethylene	technically grade	●

Kemikalie	Konc.	Resultat
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	-	●