



# PE Ultra HD Ast 3000x1250x80 mm black

Artikelnr P1400205

## 1. Tekniskt datablad

| Egenskap                                   | Värde | Enhet     | Standard          |
|--------------------------------------------|-------|-----------|-------------------|
| Density                                    | 3     | g/cm³     | DIN EN ISO 1183-1 |
| 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                         | 10¹   | Ω         | DIN EN 62631-3-1  |
| Flammability Classification (UL 94)        | 3     |           | UL 94             |
| Thermal Conductivity                       | 0.4   | W/(m·K)   | DIN 52612         |
| Surface Resistivity                        | 10¹   | Ω         | DIN EN 62631-3-2  |
| Water absorption to saturation             | 0.01  | %         |                   |
| Water Absorption to Saturation             | 0.01  | %         |                   |
| Notched impact strength (Charpy)           | 2     | kJ/m²     | DIN EN ISO 179    |
| Impact Resistance (Charpy)                 | 2     | kJ/m²     | DIN EN ISO 179    |
| Thermal Expansion Coefficient              | 1.75  | 10⁻⁵/°K   | DIN 53 752        |
| Hardness Shore D                           | 60    | ° Shore D | DIN EN ISO 868    |
| Ball pressure hardness                     | 34    | MPa       | ISO 2039-1        |

## 2. Kemisk beständighet

● Beständig ● Delvis beständig ● Ej beständig

| Kemikalie               | Konc. | Resultat |
|-------------------------|-------|----------|
| 1,4-Dioxane             | 100%  | ●        |
| 2-Hydroxypropionic Acid | 90%   | ●        |
| Acetaldehyde            | â€    | ●        |

| Kemikalie                             | Konc.             | Resultat |
|---------------------------------------|-------------------|----------|
| 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                      | â€”               | ●        |
| Acetone                               | â€”               | ●        |
| Acetone                               | 100%              | ●        |
| Acronal dispersions                   | â€”               | ●        |
| Acrylonitrile                         | â€”               | ●        |
| Allyl acetate                         | â€”               | ●        |
| Allyl alcohol                         | 96%               | ●        |
| Allyl chloride                        | â€”               | ●        |
| Aluminium chloride, aqueous           | any               | ●        |
| Aluminium chloride, solid             | â€”               | ●        |
| Aluminium fluoride                    | Conc.             | ●        |
| Aluminium hydroxide                   | â€”               | ●        |
| Aluminium metaphosphate               | â€”               | ●        |
| Aluminium sulphate, aqueous saturated | â€”               | ●        |
| Aluminium sulphate, solid             | â€”               | ●        |
| Ammonia                               | concentrated      | ●        |
| Ammonia, gaseous                      | â€”               | ●        |
| Ammonia, liquid                       | â€”               | ●        |
| Ammonium Chloride                     | â€”               | ●        |
| Amyl Alcohol                          | â€”               | ●        |
| Aniline                               | any               | ●        |
| Anisole                               | â€”               | ●        |
| Apple Juice                           | â€”               | ●        |
| Aqua regia                            | â€”               | ●        |
| Beer                                  | â€”               | ●        |
| Benzaldehyde, aqueous                 | any               | ●        |
| Benzene                               | technically grade | ●        |

| Kemikalie                                | Konc.             | Resultat |
|------------------------------------------|-------------------|----------|
| Benzene                                  | â€”               | ●        |
| Benzoic acid, aqueous                    | any               | ●        |
| Benzyl alcohol                           | â€”               | ●        |
| Bitumen                                  | â€”               | ●        |
| Bleaching Solution                       | 12.5 cl           | ●        |
| Boric Acid                               | 100%              | ●        |
| Brake Fluid                              | â€”               | ●        |
| Bromine, liquid                          | 100%              | ●        |
| Butanol, aqueous                         | any               | ●        |
| Butter                                   | â€”               | ●        |
| Butyl Acetate                            | â€”               | ●        |
| Calcium Chloride                         | â€”               | ●        |
| Calcium carbonate                        | â€”               | ●        |
| Calcium carbonate                        | â€”               | ●        |
| Calcium hypochlorite, aqueous suspension | any               | ●        |
| Camphor                                  | â€”               | ●        |
| Carbon Disulfide                         | 100%              | ●        |
| Carbon Tetrachloride                     | â€”               | ●        |
| Carbon disulphide                        | â€”               | ●        |
| Caustic soda                             | any               | ●        |
| Chlorine (gas)                           | 100%              | ●        |
| Chlorine, liquid                         | â€”               | ●        |
| Chloroacetic acid, aqueous               | â‰¥85%            | ●        |
| Chlorobenzene                            | 100%              | ●        |
| Chlorobenzene                            | â€”               | ●        |
| Chloroform                               | â€”               | ●        |
| Chloroform                               | technically grade | ●        |
| Chromosulphuric acid                     | â€”               | ●        |
| Cider                                    | â€”               | ●        |
| Citric Acid                              | 10%               | ●        |
| Citrus fruit juices                      | â€”               | ●        |
| Coconut oil                              | â€”               | ●        |
| Cod liver oil                            | â€”               | ●        |
| Cresol                                   | â€”               | ●        |
| Cresol                                   | 100%              | ●        |

| Kemikalie                                 | Konc.   | Resultat |
|-------------------------------------------|---------|----------|
| Cyclohexane                               | â€”     | ●        |
| Cyclohexanol                              | â€”     | ●        |
| Cyclohexanone                             | 100%    | ●        |
| Cyclohexanone                             | â€”     | ●        |
| Cyclohexene                               | 100%    | ●        |
| Detergents                                | â€”     | ●        |
| Dibutyl ether                             | â€”     | ●        |
| Dibutyl phthalate                         | â€”     | ●        |
| Dichloroacetic acid                       | â€”     | ●        |
| Dichloroethane                            | â€”     | ●        |
| Diesel Fuel                               | â€”     | ●        |
| Diesel fuel                               | â€”     | ●        |
| Diethylene Oxide                          | â€”     | ●        |
| Diglycolic acid, aqueous                  | 30%     | ●        |
| Dimethyl formamide                        | â€”     | ●        |
| Dimethylamine                             | â€”     | ●        |
| Dioxane                                   | â€”     | ●        |
| Ethanol                                   | 10%     | ●        |
| Ethanol                                   | 10% v/v | ●        |
| Ethanol                                   | 10%     | ●        |
| Ethanol                                   | 10%     | ●        |
| Ethyl Acetate                             | 100%    | ●        |
| Ethyl Alcohol                             | 96%     | ●        |
| Ethyl acetate                             | â€”     | ●        |
| Ethylene Chloride                         | 100%    | ●        |
| Ethylene alcohol                          | 96%     | ●        |
| Ethylene chloride                         | â€”     | ●        |
| Ethylene diamine                          | â€”     | ●        |
| Ethylene glycol                           | â€”     | ●        |
| Ferric chloride, aqueous                  | any     | ●        |
| Ferric nitrate, aqueous saturated         | â€”     | ●        |
| Ferric sulphate, aqueous saturated        | â€”     | ●        |
| Ferrous (II) chloride, aqueous saturated  | â€”     | ●        |
| Ferrous (II) sulfate, aqueous saturated   | â€”     | ●        |
| Ferrous (III) chloride, aqueous saturated | â€”     | ●        |

| Kemikalie                                | Konc.        | Resultat |
|------------------------------------------|--------------|----------|
| Ferrous (III) nitrate, aqueous saturated | â€”          | ●        |
| Ferrous (III) sulfate, aqueous saturated | â€”          | ●        |
| Food Oil                                 | â€”          | ●        |
| Formaldehyde (aqueous)                   | 40%          | ●        |
| Formaldehyde, aqueous                    | â‰‰40%       | ●        |
| Formic Acid                              | 10%          | ●        |
| Formic acid, aqueous                     | 85%          | ●        |
| Frigen 12 (Freon 12)                     | 100%         | ●        |
| Frost Protection Agent                   | â€”          | ●        |
| Fruit juices                             | any          | ●        |
| Fuel (aromatic free)                     | â€”          | ●        |
| Fuel oil                                 | â€”          | ●        |
| Furfural                                 | â€”          | ●        |
| Glycerin, aqueous                        | any          | ●        |
| Glycerine                                | 100%         | ●        |
| Glycol                                   | 100%         | ●        |
| Glykol, aqueous                          | as supplied  | ●        |
| Glysantin                                | â€”          | ●        |
| Heating Oil                              | â€”          | ●        |
| Heptane                                  | 100%         | ●        |
| Heptane                                  | â€”          | ●        |
| Hexane                                   | â€”          | ●        |
| Honey                                    | â€”          | ●        |
| 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)      | â€”          | ●        |
| Ink                                      | â€”          | ●        |
| Iodine in potassium iodide solution      | 3% iodine    | ●        |
| Isooctane                                | â€”          | ●        |
| Isopropanol                              | â€”          | ●        |
| Isopropyl Alcohol                        | 100%         | ●        |

| Kemikalie                                    | Konc.                      | Resultat    |
|----------------------------------------------|----------------------------|-------------|
| Isopropyl ether                              | â€”                        | <div></div> |
| Jam                                          | â€”                        | <div></div> |
| Kerosene                                     | â€”                        | <div></div> |
| Linseed Oil                                  | â€”                        | <div></div> |
| Linseed oil                                  | technically grade          | <div></div> |
| Lithium bromide                              | â€”                        | <div></div> |
| Magnesium stearate                           | â€”                        | <div></div> |
| Magnesium stearate                           | â€”                        | <div></div> |
| Maleic acid, aqueous                         | any                        | <div></div> |
| Menthol                                      | â€”                        | <div></div> |
| Mercurochrome                                | â€”                        | <div></div> |
| Mercury                                      | â€”                        | <div></div> |
| Methanol                                     | technically grade          | <div></div> |
| Methyl Alcohol                               | 100%                       | <div></div> |
| Methyl Ethyl Ketone (MEK)                    | 100%                       | <div></div> |
| Methyl chloride                              | gaseous, technically grade | <div></div> |
| Methyl ethyl ketone                          | technically grade          | <div></div> |
| Methylene Chloride                           | 100%                       | <div></div> |
| Milk                                         | â€”                        | <div></div> |
| Milk                                         | â€”                        | <div></div> |
| Mineral Oil (aromatic free)                  | â€”                        | <div></div> |
| Molasses                                     | â€”                        | <div></div> |
| Motor oil (heavy duty oil) without additives | â€”                        | <div></div> |
| Naphtha                                      | â€”                        | <div></div> |
| Naphthalene                                  | â€”                        | <div></div> |
| Nitric Acid                                  | 10%                        | <div></div> |
| Nitric Acid (50%)                            | 50%                        | <div></div> |
| Nitric acid, aqueous                         | 50%                        | <div></div> |
| Nitric acid, aqueous                         | 25%                        | <div></div> |
| Nitrobenzene                                 | â€”                        | <div></div> |
| Nitrobenzene                                 | â€”                        | <div></div> |
| Oils, ethereal                               | â€”                        | <div></div> |
| Oils, vegetable and animal                   | â€”                        | <div></div> |
| Oleic acid                                   | â€”                        | <div></div> |
| Oleum                                        | any                        | <div></div> |

| Kemikalie                  | Konc.       | Resultat |
|----------------------------|-------------|----------|
| Olive oil                  | â€”         | ●        |
| Olive oil                  | â€”         | ●        |
| Olive oil                  | â€”         | ●        |
| Olive oil                  | â€”         | ●        |
| Oxalic Acid                | â€”         | ●        |
| Oxalic acid, aqueous       | any         | ●        |
| Oxygen                     | â€”         | ●        |
| Ozone                      | 50 ppm      | ●        |
| Ozone Gas                  | â‰¤0.5 ppm  | ●        |
| Paraffine Oil              | 100%        | ●        |
| Perchloric acid, aqueous   | 20%         | ●        |
| Perchloric acid, aqueous   | 50%         | ●        |
| Perchloric acid, aqueous   | 70%         | ●        |
| Perchloroethylene          | â€”         | ●        |
| Petroleum                  | â€”         | ●        |
| Petroleum                  | 100%        | ●        |
| Petroleum Ether            | 100%        | ●        |
| Petroleum ether            | â€”         | ●        |
| Phenol                     | â€”         | ●        |
| Phenol (aqueous)           | â‰ˆ9%       | ●        |
| Phosphoric Acid            | 50%         | ●        |
| Phosphoric acid, aqueous   | 80% L 95%   | ●        |
| Phosphoric acid, aqueous   | 50%         | ●        |
| Phosphorus trichloride     | â€”         | ●        |
| Photographic developers    | â€”         | ●        |
| Photographic emulsions     | as supplied | ●        |
| Photographic fixing baths  | as supplied | ●        |
| Phthalic acid, aqueous     | 50%         | ●        |
| Polyester resins           | â€”         | ●        |
| Potassium Hydroxide liquor | 50%         | ●        |
| Premium Fuel               | â€”         | ●        |
| Propionic acid, aqueous    | any         | ●        |
| Propyl Alcohol             | â€”         | ●        |
| Pyridine                   | â€”         | ●        |
| Pyridine                   | â€”         | ●        |

| Kemikalie                     | Konc.             | Resultat |
|-------------------------------|-------------------|----------|
| Sea water                     | â€”               | ●        |
| Silicon dioxide               | â€”               | ●        |
| Silicon dioxide               | â€”               | ●        |
| Silicone Oil                  | â€”               | ●        |
| Silicone oil                  | technically grade | ●        |
| Sodium Carbonate (aqueous)    | â€”               | ●        |
| Sodium Chloride (aqueous)     | â€”               | ●        |
| Sodium Hydrogen Sulfite       | â€”               | ●        |
| Sodium Hydroxide liquor       | 15%               | ●        |
| Sodium Hydroxide liquor (60%) | 60%               | ●        |
| Sodium Nitrate (aqueous)      | â€”               | ●        |
| Sodium Thiosulfate            | â€”               | ●        |
| Sodium borate                 | â€”               | ●        |
| Sodium bromide                | â€”               | ●        |
| Sodium hydroxide, aqueous     | any               | ●        |
| Sodium hydroxide, solid       | â€”               | ●        |
| Stearic acid                  | â€”               | ●        |
| Sugar syrup                   | â€”               | ●        |
| Sulfuric Acid                 | 96%               | ●        |
| Sulphuric acid, aqueous       | 98%               | ●        |
| Sulphuric acid, aqueous       | â‰ƒ50%            | ●        |
| Sulphuric acid, aqueous       | 80%               | ●        |
| Sulphuric acid, aqueous       | 70%               | ●        |
| Tallow                        | technically grade | ●        |
| Tannic acid (tannin), aqueous | 10%               | ●        |
| Tetrahydrofuran               | technically grade | ●        |
| Tetrahydrofuran (THF)         | 100%              | ●        |
| Thionyl chloride              | â€”               | ●        |
| Thiophene                     | â€”               | ●        |
| Tin (II) chloride, aqueous    | any               | ●        |
| Tin (IV) chloride, aqueous    | saturated         | ●        |
| Titanium dioxide              | â€”               | ●        |
| Titanium dioxide              | â€”               | ●        |
| Toluene                       | 100%              | ●        |

| Kemikalie                        | Konc.             | Resultat    |
|----------------------------------|-------------------|-------------|
| Toluene                          | technically grade | <div></div> |
| Transformer Oil                  | â€”               | <div></div> |
| Transformer oil (insulating oil) | technically grade | <div></div> |
| Trichloroacetic acid             | technically grade | <div></div> |
| Trichloroethylene                | technically grade | <div></div> |
| Trichloroethylene                | 100%              | <div></div> |
| Triethanolamine                  | â€”               | <div></div> |
| Triethanolamine                  | â€”               | <div></div> |
| Turpentine oil                   | technically grade | <div></div> |
| Urea, aqueous                    | â‰ƒ33%            | <div></div> |
| Vaseline                         | technically grade | <div></div> |
| Vinegar (standard)               | 5-10%             | <div></div> |
| Washing up liquids               | usual             | <div></div> |
| Water                            | â€”               | <div></div> |
| Water, distilled                 | â€”               | <div></div> |
| Wine                             | â€”               | <div></div> |
| Xylene                           | â€”               | <div></div> |
| Xylene                           | â€”               | <div></div> |
| Zinc sludge                      | â€”               | <div></div> |