



# PE-500 2000x1000x5 mm blå

Artikelnr P1400521

## 1. Tekniskt datablad

| Egenskap                                   | Värde  | Enhet     | Standard          |
|--------------------------------------------|--------|-----------|-------------------|
| Density                                    | 1.3    | g/cm³     | DIN EN ISO 1183-1 |
| 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                         | 10¹¹   | 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         |
| Flammability Classification (UL 94)        | 3      |           | UL 94             |
| Thermal Conductivity                       | 0.4    | W/(m·K)   | DIN 52612-1       |
| Surface Resistivity                        | ~10¹¹  | Ω         | DIN EN 62631-3-2  |
| Comparative Tracking Index (CTI)           | 600    | V         | IEC 60112         |
| 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/m²     | DIN EN ISO 179    |
| Thermal Expansion Coefficient              | 2.4    | 10⁻⁵/K    | DIN 53752         |
| 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%          | ●        |
| Acetaldehyde                          | â€”          | ●        |
| 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€”          | ●        |

| Kemikalie                                | Konc.             | Resultat |
|------------------------------------------|-------------------|----------|
| Benzaldehyde, aqueous                    | any               | ●        |
| Benzene                                  | technically grade | ●        |
| 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                               | technically grade | ●        |
| Chloroform                               | â€”               | ●        |
| Chromosulphuric acid                     | â€”               | ●        |
| Cider                                    | â€”               | ●        |
| Citric Acid                              | 10%               | ●        |
| Citrus fruit juices                      | â€”               | ●        |
| Coconut oil                              | â€”               | ●        |
| Cod liver oil                            | â€”               | ●        |

| Kemikalie                                | Konc.   | Resultat |
|------------------------------------------|---------|----------|
| Cresol                                   | â€”     | ●        |
| Cresol                                   | 100%    | ●        |
| 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%     | ●        |
| Ethanol                                  | 10% v/v | ●        |
| 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€”     | ●        |

| Kemikalie                                 | Konc.        | Resultat |
|-------------------------------------------|--------------|----------|
| Ferrous (II) sulfate, aqueous saturated   | â€”          | ●        |
| Ferrous (III) chloride, aqueous saturated | â€”          | ●        |
| 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                                   | â€”          | ●        |
| Heptane                                   | 100%         | ●        |
| 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€”          | ●        |

| Kemikalie                                    | Konc.                      | Resultat |
|----------------------------------------------|----------------------------|----------|
| Isopropanol                                  | â€”                        | ●        |
| Isopropyl Alcohol                            | 100%                       | ●        |
| Isopropyl ether                              | â€”                        | ●        |
| Jam                                          | â€”                        | ●        |
| Kerosene                                     | â€”                        | ●        |
| Linseed Oil                                  | â€”                        | ●        |
| Linseed oil                                  | technically grade          | ●        |
| Lithium bromide                              | â€”                        | ●        |
| Magnesium stearate                           | â€”                        | ●        |
| Magnesium stearate                           | â€”                        | ●        |
| Maleic acid, aqueous                         | any                        | ●        |
| Menthol                                      | â€”                        | ●        |
| Mercurochrome                                | â€”                        | ●        |
| Mercury                                      | â€”                        | ●        |
| 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                                         | â€”                        | ●        |
| Milk                                         | â€”                        | ●        |
| Mineral Oil (aromatic free)                  | â€”                        | ●        |
| Molasses                                     | â€”                        | ●        |
| Motor oil (heavy duty oil) without additives | â€”                        | ●        |
| Naphtha                                      | â€”                        | ●        |
| Naphthalene                                  | â€”                        | ●        |
| Nitric Acid                                  | 10%                        | ●        |
| Nitric Acid (50%)                            | 50%                        | ●        |
| Nitric acid, aqueous                         | 50%                        | ●        |
| Nitric acid, aqueous                         | 25%                        | ●        |
| Nitrobenzene                                 | â€”                        | ●        |
| Nitrobenzene                                 | â€”                        | ●        |
| Oils, ethereal                               | â€”                        | ●        |

| Kemikalie                  | Konc.       | Resultat |
|----------------------------|-------------|----------|
| Oils, vegetable and animal | â€”         | ●        |
| Oleic acid                 | â€”         | ●        |
| Oleum                      | any         | ●        |
| 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   | 70%         | ●        |
| Perchloric acid, aqueous   | 50%         | ●        |
| Perchloric acid, aqueous   | 20%         | ●        |
| Perchloroethylene          | â€”         | ●        |
| Petroleum                  | 100%        | ●        |
| Petroleum                  | â€”         | ●        |
| Petroleum Ether            | 100%        | ●        |
| Petroleum ether            | â€”         | ●        |
| Phenol                     | â€”         | ●        |
| Phenol (aqueous)           | â‰‰^9%      | ●        |
| Phosphoric Acid            | 50%         | ●        |
| Phosphoric acid, aqueous   | 50%         | ●        |
| Phosphoric acid, aqueous   | 80% L 95%   | ●        |
| 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         | ●        |

| Kemikalie                     | Konc.             | Resultat |
|-------------------------------|-------------------|----------|
| Propyl Alcohol                | â€”               | ●        |
| Pyridine                      | â€”               | ●        |
| Pyridine                      | â€”               | ●        |
| 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       | 70%               | ●        |
| Sulphuric acid, aqueous       | 80%               | ●        |
| 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€”               | ●        |

| Kemikalie                        | Konc.             | Resultat    |
|----------------------------------|-------------------|-------------|
| Titanium dioxide                 | â€”               | <div></div> |
| Toluene                          | 100%              | <div></div> |
| 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> |