



# PE-HD 4000x2000x5 mm svart

Artikelnr P1200445

## 1. Tekniskt datablad

| Egenskap                                   | Värde | Enhet   | Standard     |
|--------------------------------------------|-------|---------|--------------|
| Density                                    | 0.96  | g/cm³   | ISO 1183     |
| 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      |
| Dielectric Strength                        | 45    | kV/mm   | IEC 60243-1  |
| Volume Resistivity                         | 10¹¹  | Ω·cm    | EN 61340-5-1 |
| Dielectric Constant (1 MHz)                | 2.4   | -       | IEC 60250    |
| Dielectric Constant (100 Hz)               | 2.3   | -       | IEC 60250    |
| Dielectric loss factor (1 MHz)             | 0.0   | -       | IEC 60250    |
| Dielectric loss factor (100 Hz)            | 0.0   | -       | IEC 60250    |
| Flexural Strength                          | 20    | MPa     | ISO527-2     |
| Thermal Conductivity                       | 0.4   | W/(m·K) | DIN 52612    |
| Surface Resistivity                        | 10¹¹  | Ω       | EN 61340-5-1 |
| Comparative Tracking Index (CTI)           | 600   | V       | IEC 60112    |
| 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  |

| Egenskap                      | V rde | Enhet      | Standard   |
|-------------------------------|-------|------------|------------|
| Thermal Expansion Coefficient | 2     | 10   /K    | ISO 11359  |
| Hardness Shore D              | 60    |    Shore D | shore D    |
| Ball pressure hardness        | 50    | MPa        | ISO 2039-1 |

2. Kemisk best ndighet

● Best ndig ● Delvis best ndig ● Ej best ndig

| 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                               |              | ●        |
| 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          |          |

| Kemikalie                                | Konc.             | Resultat    |
|------------------------------------------|-------------------|-------------|
| Anisole                                  | â€”               | <div></div> |
| Aqua regia                               | â€”               | <div></div> |
| Beer                                     | â€”               | <div></div> |
| Benzaldehyde, aqueous                    | any               | <div></div> |
| Benzene                                  | technically grade | <div></div> |
| Benzene                                  | â€”               | <div></div> |
| Benzoic acid, aqueous                    | any               | <div></div> |
| Benzyl alcohol                           | â€”               | <div></div> |
| Bitumen                                  | â€”               | <div></div> |
| Bleaching solution                       | 12.5 cl           | <div></div> |
| Boric acid                               | 100%              | <div></div> |
| Brake fluid                              | â€”               | <div></div> |
| Bromine, liquid                          | 100%              | <div></div> |
| Butanol, aqueous                         | any               | <div></div> |
| Butter                                   | â€”               | <div></div> |
| Butyl acetate                            | â€”               | <div></div> |
| Calcium chloride                         | â€”               | <div></div> |
| Calcium hypochlorite, aqueous suspension | any               | <div></div> |
| Camphor                                  | â€”               | <div></div> |
| Carbon disulphide                        | â€”               | <div></div> |
| Carbon disulphide                        | 100%              | <div></div> |
| Carbon tetrachloride                     | â€”               | <div></div> |
| Caustic soda (NaOH)                      | any               | <div></div> |
| Chlorine (gas)                           | 100%              | <div></div> |
| Chlorine, liquid                         | â€”               | <div></div> |
| Chloroacetic acid, aqueous               | â‰‰85%            | <div></div> |
| Chlorobenzene                            | â€”               | <div></div> |
| Chlorobenzene                            | 100%              | <div></div> |
| Chloroform                               | technically grade | <div></div> |
| Chloroform                               | â€”               | <div></div> |
| Chromosulphuric acid                     | â€”               | <div></div> |
| Cider                                    | â€”               | <div></div> |
| Citric acid                              | 10%               | <div></div> |
| Citrus fruit juices                      | â€”               | <div></div> |
| Coconut oil                              | â€”               | <div></div> |

| Kemikalie                          | Konc. | Resultat |
|------------------------------------|-------|----------|
| Cod liver oil                      | â€”   | ●        |
| Cresol                             | 100%  | ●        |
| Cresol                             | â€”   | ●        |
| Cyclohexane                        | â€”   | ●        |
| Cyclohexanol                       | â€”   | ●        |
| Cyclohexanone                      | 100%  | ●        |
| Cyclohexanone                      | â€”   | ●        |
| Cyclohexene                        | 100%  | ●        |
| Detergents                         | usual | ●        |
| Detergents                         | â€”   | ●        |
| Dibutyl ether                      | â€”   | ●        |
| Dibutyl phthalate                  | â€”   | ●        |
| Dichloroacetic acid                | â€”   | ●        |
| Dichloroethane                     | â€”   | ●        |
| Diesel                             | â€”   | ●        |
| Diesel                             | â€”   | ●        |
| Diethylene oxide                   | â€”   | ●        |
| Diglycolic acid, aqueous           | 30%   | ●        |
| Dimethyl formamide (DMF)           | â€”   | ●        |
| Dimethylamine                      | â€”   | ●        |
| Dioxane                            | â€”   | ●        |
| Essential oils                     | â€”   | ●        |
| Ethyl acetate                      | â€”   | ●        |
| Ethyl acetate                      | 100%  | ●        |
| Ethyl alcohol (ethanol)            | 96%   | ●        |
| Ethylene alcohol                   | 96%   | ●        |
| Ethylene chloride                  | 100%  | ●        |
| Ethylene chloride                  | â€”   | ●        |
| Ethylene diamine                   | â€”   | ●        |
| Ethylene glycol                    | â€”   | ●        |
| Ferric chloride, aqueous           | any   | ●        |
| Ferric nitrate, aqueous saturated  | â€”   | ●        |
| Ferric nitrate, aqueous saturated  | â€”   | ●        |
| Ferric sulphate, aqueous saturated | â€”   | ●        |

| Kemikalie                                 | Konc.        | Resultat |
|-------------------------------------------|--------------|----------|
| Ferric sulphate, aqueous saturated        | â€”          | ●        |
| Ferrous (II) chloride, aqueous saturated  | â€”          | ●        |
| Ferrous (II) sulfate, aqueous saturated   | â€”          | ●        |
| Ferrous (III) chloride, 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€”          | ●        |
| Fuel oil                                  | â€”          | ●        |
| Furfural                                  | â€”          | ●        |
| Glycerine                                 | 100%         | ●        |
| Glycerine, aqueous                        | any          | ●        |
| Glycol                                    | 100%         | ●        |
| Glycol, aqueous                           | as supplied  | ●        |
| Glysantin                                 | 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)                | 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                              | technically grade          | ●        |
| Linseed oil                              | â€”                        | ●        |
| Lithium bromide                          | â€”                        | ●        |
| Maleic acid, aqueous                     | any                        | ●        |
| Menthol                                  | â€”                        | ●        |
| Mercurochrome                            | â€”                        | ●        |
| Mercury                                  | â€”                        | ●        |
| 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                                     | â€”                        | ●        |
| Milk                                     | â€”                        | ●        |
| Mineral oil (aromatic free)              | â€”                        | ●        |
| Molasses                                 | â€”                        | ●        |
| Motor oil (heavy duty) without additives | â€”                        | ●        |
| Naphtha                                  | â€”                        | ●        |
| Naphthalene                              | â€”                        | ●        |
| Nitric acid                              | 10%                        | ●        |
| Nitric acid (50%)                        | 50%                        | ●        |
| Nitric acid, aqueous                     | 25%                        | ●        |
| Nitric acid, aqueous                     | 50%                        | ●        |
| Nitrobenzene                             | â€”                        | ●        |
| Nitrobenzene                             | â€”                        | ●        |
| Oils, vegetable and animal               | â€”                        | ●        |
| Oleic acid                               | â€”                        | ●        |
| Oleum (fuming sulphuric acid)            | any                        | ●        |

| Kemikalie                    | Konc.             | Resultat |
|------------------------------|-------------------|----------|
| Oxalic acid                  | â€”               | ●        |
| Oxalic acid, aqueous         | any               | ●        |
| Oxygen                       | â€”               | ●        |
| Ozone                        | 50 ppm            | ●        |
| Ozone (gas)                  | â‰¤0.5 ppm        | ●        |
| Paraffin oil                 | 100%              | ●        |
| Perchloric acid, aqueous     | 50%               | ●        |
| Perchloric acid, aqueous     | 70%               | ●        |
| Perchloric acid, aqueous     | 20%               | ●        |
| Perchloroethylene            | â€”               | ●        |
| 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 developer       | â€”               | ●        |
| Photographic emulsion        | as supplied       | ●        |
| Photographic fixing bath     | as supplied       | ●        |
| Phthalic acid, aqueous       | 50%               | ●        |
| Polyester resins             | â€”               | ●        |
| Potassium hydroxide solution | 50%               | ●        |
| Premium fuel                 | â€”               | ●        |
| Propionic acid, aqueous      | any               | ●        |
| Propyl alcohol               | â€”               | ●        |
| Pyridine                     | â€”               | ●        |
| Pyridine                     | â€”               | ●        |
| Sea water                    | â€”               | ●        |
| Silicone oil                 | technically grade | ●        |
| Silicone oil                 | â€”               | ●        |
| Sodium borate (borax)        | â€”               | ●        |
| Sodium bromide               | â€”               | ●        |

| Kemikalie                                | Konc.             | Resultat |
|------------------------------------------|-------------------|----------|
| Sodium carbonate (aqueous)               | â€”               | ●        |
| Sodium chloride (aqueous)                | â€”               | ●        |
| Sodium hydrogen sulfite                  | â€”               | ●        |
| Sodium hydroxide solution (60%)          | 60%               | ●        |
| Sodium hydroxide solution (caustic soda) | 15%               | ●        |
| Sodium hydroxide, aqueous                | any               | ●        |
| Sodium hydroxide, solid                  | â€”               | ●        |
| Sodium nitrate (aqueous)                 | â€”               | ●        |
| Sodium thiosulfate                       | â€”               | ●        |
| Stearic acid                             | â€”               | ●        |
| Sugar syrup                              | â€”               | ●        |
| Sulphuric acid                           | 96%               | ●        |
| Sulphuric acid, aqueous                  | 98%               | ●        |
| Sulphuric acid, aqueous                  | â‰¥50%            | ●        |
| Sulphuric acid, aqueous                  | 70%               | ●        |
| Sulphuric acid, aqueous                  | 80%               | ●        |
| Tallow                                   | technically grade | ●        |
| Tannic acid (tannin), aqueous            | 10%               | ●        |
| Tetrahydrofuran (THF)                    | technically grade | ●        |
| Tetrahydrofuran (THF)                    | 100%              | ●        |
| Thionyl chloride                         | â€”               | ●        |
| Thiophene                                | â€”               | ●        |
| Tin (II) chloride, aqueous               | any               | ●        |
| Tin (IV) chloride, aqueous               | saturated         | ●        |
| Toluene                                  | 100%              | ●        |
| Toluene                                  | technically grade | ●        |
| Transformer oil                          | â€”               | ●        |
| Transformer oil (insulating oil)         | technically grade | ●        |
| Trichloroacetic acid                     | technically grade | ●        |
| Trichloroethylene                        | 100%              | ●        |
| Trichloroethylene                        | technically grade | ●        |
| Triethanolamine                          | â€”               | ●        |
| Turpentine oil                           | technically grade | ●        |
| Urea, vattenl.                           | â‰¥33%            | ●        |

| Kemikalie          | Konc.             | Resultat |
|--------------------|-------------------|----------|
| Vaseline           | technically grade | ●        |
| Vinegar (standard) | 5-10%             | ●        |
| Water              | â€”               | ●        |
| Water, distilled   | â€”               | ●        |
| Wine               | â€”               | ●        |
| Xylene             | â€”               | ●        |
| Xylene             | â€”               | ●        |
| Zinc sludge        | â€”               | ●        |