



# PE-HD 140x1000 mm musta

Artikelnr P1003227

## 1. Tekniskt datablad

| Egenskap                                      | Värde               | Enhet             | Standard     |
|-----------------------------------------------|---------------------|-------------------|--------------|
| Tiheys                                        | 0.96                | g/cm <sup>3</sup> | ISO 1183     |
| Venymisrajan jäännitys                        | 20                  | MPa               | ISO 527      |
| Joustavuusmoduli (vetolujuus)                 | 1200                | MPa               | ISO 527      |
| Murtolujuus                                   | 13                  | MPa               | ISO 527      |
| Murtovenymä                                   | 200                 | %                 | ISO 527      |
| Sulamispiste                                  | 135                 | °C                | ISO 3146     |
| Maksimaalinen käyttölämpötila (lyhytaikainen) | 95                  | °C                | UL746B       |
| Maksimi käyttölämpötila                       | 76                  | °C                |              |
| Alin lämpötila                                | -51                 | °C                |              |
| Lämpötilaköyry (HDT/A)                        | 45                  | °C                | ISO 75-2     |
| Lämpötilaköyry (HDT/B)                        | 69                  | °C                | ISO 75       |
| Vicat-pehmenemislämpötila (VST/B/50)          | 79                  | °C                | ISO 306      |
| Dielektrinen voimakkuus                       | 45                  | kV/mm             | IEC 60243-1  |
| Tilavuusresistanssi                           | 10 <sup>11</sup> Å² | Î©·cm             | EN 61340-5-1 |
| Dielektrinen vakio (1 MHz)                    | 2.4                 | -                 | IEC 60250    |
| Dielektrinen vakio (100 Hz)                   | 2.3                 | -                 | IEC 60250    |
| Dielektrinen hajoamiskerroin (1 MHz)          | 0.0                 | -                 | IEC 60250    |
| Dielektrinen hajoamiskerroin (100 Hz)         | 0.0                 | -                 | IEC 60250    |
| Taivutuslujuus                                | 20                  | MPa               | ISO527-2     |
| Lämpöjohtavuus                                | 0.4                 | W/(m·K)           | DIN 52612    |
| Pintaresistanssi                              | 10 <sup>11</sup> Å³ | Î©                | EN 61340-5-1 |
| Vertailukulkemisindeksi (CTI)                 | 600                 | V                 | IEC 60112    |
| Imeytymisen maksimointi                       | 0.01                | %                 | ISO 62       |
| Vesihaku kyllästymiseen                       | 0.01                | %                 | ISO 62       |
| Särkyäkesto (Charpy)                          | 7.5                 | kJ/m <sup>2</sup> | ISO 179/1eA  |
| Iskunkestävyys (Charpy)                       | 15                  | kJ/m <sup>2</sup> | ISO 179/1eU  |

| Egenskap                   | Värde | Enhet                | Standard   |
|----------------------------|-------|----------------------|------------|
| Löslighetsförmåga i vatten | 2     | 10 <sup>-6</sup> g/K | ISO 11359  |
| Kovnings Shore D           | 60    | Å° Shore D           | shore D    |
| Kulmapålnings hållbarhet   | 50    | MPa                  | ISO 2039-1 |

## 2. Kemisk beständighet

● Beständig   ● Delvis beständig   ● Ej beständig

| Kemikalie                              | Konc.        | Resultat |
|----------------------------------------|--------------|----------|
| 1,4-Dioxane                            | 100%         | ●        |
| 2-Hydroxypropioninsyra (laktinsyra)    | 90%          | ●        |
| Acetaldehyd                            | 100%         | ●        |
| Acetinsyra                             | 100%         | ●        |
| Acetinsyra                             | 100%         | ●        |
| Acetinsyra, vattenlösning              | 70%          | ●        |
| Acetinsyraanhydrid                     | 100%         | ●        |
| Aceton                                 | 100%         | ●        |
| Aceton                                 | 100%         | ●        |
| Acronal disperersioner                 | 100%         | ●        |
| Acrylonitril                           | 100%         | ●        |
| Allylacetat                            | 100%         | ●        |
| Allylalkohol                           | 96%          | ●        |
| Allylklorid                            | 100%         | ●        |
| Aluminiumklorid, vattenlösning         | any          | ●        |
| Aluminiumklorid, fast                  | 100%         | ●        |
| Aluminiumfluorid                       | Conc.        | ●        |
| Aluminiumhydroxid                      | 100%         | ●        |
| Aluminiummetaphosphat                  | 100%         | ●        |
| Aluminiumsulfat, vattenlösning, mättad | 100%         | ●        |
| Aluminiumsulfat, fast                  | 100%         | ●        |
| Ammoniak                               | concentrated | ●        |
| Ammoniak, gasig                        | 100%         | ●        |
| Ammoniak, vätska                       | 100%         | ●        |
| Ammoniumklorid                         | 100%         | ●        |
| Amylalkohol                            | 100%         | ●        |
| Anilin                                 | any          | ●        |

| Kemikalie                                | Konc.             | Resultat |
|------------------------------------------|-------------------|----------|
| Anisole                                  | â€”               | ●        |
| Aqua regia                               | â€”               | ●        |
| Beer                                     | â€”               | ●        |
| Benzaldehyde, aqueous                    | any               | ●        |
| Benzene                                  | â€”               | ●        |
| Benzene                                  | technically grade | ●        |
| 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 hypochlorite, aqueous suspension | any               | ●        |
| Camphor                                  | â€”               | ●        |
| Carbon disulphide                        | 100%              | ●        |
| Carbon disulphide                        | â€”               | ●        |
| Carbon tetrachloride                     | â€”               | ●        |
| Caustic soda (NaOH)                      | any               | ●        |
| Chlorine (gas)                           | 100%              | ●        |
| Chlorine, liquid                         | â€”               | ●        |
| Chloroacetic acid, aqueous               | â‰‰85%            | ●        |
| Chlorobenzene                            | â€”               | ●        |
| Chlorobenzene                            | 100%              | ●        |
| Chloroform                               | â€”               | ●        |
| Chloroform                               | technically grade | ●        |
| Chromosulphuric acid                     | â€”               | ●        |
| Cider                                    | â€”               | ●        |
| Citric acid                              | 10%               | ●        |
| Citrus fruit juices                      | â€”               | ●        |
| Coconut oil                              | â€”               | ●        |

| Kemikalie                          | Konc. | Resultat |
|------------------------------------|-------|----------|
|                                    |       |          |
| Cod liver oil                      | â€”   | ●        |
| Cresol                             | â€”   | ●        |
| Cresol                             | 100%  | ●        |
| 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                      | 100%  | ●        |
| Ethyl acetate                      | â€”   | ●        |
| Ethyl alcohol (ethanol)            | 96%   | ●        |
| Ethylene alcohol                   | 96%   | ●        |
| Ethylene chloride                  | â€”   | ●        |
| Ethylene chloride                  | 100%  | ●        |
| 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                                   | 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)                | â€”          | ●        |
| Ink                                       | â€”          | ●        |
| Iodine in potassium iodide solution       | 3% iodine    | ●        |
| Isooctane                                 | â€”          | ●        |

| Kemikalie                                | Konc.                      | Resultat    |
|------------------------------------------|----------------------------|-------------|
| Isopropanol                              | â€”                        | <div></div> |
| Isopropyl alcohol                        | 100%                       | <div></div> |
| Isopropyl ether                          | â€”                        | <div></div> |
| Jam                                      | â€”                        | <div></div> |
| Kerosene                                 | â€”                        | <div></div> |
| Linseed oil                              | technically grade          | <div></div> |
| Linseed oil                              | â€”                        | <div></div> |
| Lithium bromide                          | 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 (methanol)                | 100%                       | <div></div> |
| Methyl chloride                          | gaseous, technically grade | <div></div> |
| Methyl ethyl ketone (MEK)                | technically grade          | <div></div> |
| Methyl ethyl ketone (MEK)                | 100%                       | <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) 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                     | 25%                        | <div></div> |
| Nitric acid, aqueous                     | 50%                        | <div></div> |
| Nitrobenzene                             | â€”                        | <div></div> |
| Nitrobenzene                             | â€”                        | <div></div> |
| Oils, vegetable and animal               | â€”                        | <div></div> |
| Oleic acid                               | â€”                        | <div></div> |
| Oleum (fuming sulphuric acid)            | any                        | <div></div> |

| 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     | 20%               | ●        |
| Perchloric acid, aqueous     | 50%               | ●        |
| Perchloric acid, aqueous     | 70%               | ●        |
| Perchloroethylene            | â€”               | ●        |
| Petroleum                    | â€”               | ●        |
| Petroleum ether              | â€”               | ●        |
| Petroleum ether              | 100%              | ●        |
| 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                  | 70%               | ●        |
| Sulphuric acid, aqueous                  | 98%               | ●        |
| Sulphuric acid, aqueous                  | 80%               | ●        |
| Sulphuric acid, aqueous                  | â‰ƒ50%            | ●        |
| Tallow                                   | technically grade | ●        |
| Tannic acid (tannin), aqueous            | 10%               | ●        |
| Tetrahydrofuran (THF)                    | 100%              | ●        |
| Tetrahydrofuran (THF)                    | technically grade | ●        |
| 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‰ƒ33%            | ●        |



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