



# PE Ultra HD Ast 150x2000 mm svart

Artikelnr P1400163

## 1. Tekniskt datablad

| Egenskap                          | Värde | Enhet     | Standard          |
|-----------------------------------|-------|-----------|-------------------|
| Densitet                          | 3     | g/cm³     | DIN EN ISO 1183-1 |
| Sträckgränspänning                | 20    | MPa       | DIN EN ISO 527    |
| Elasticitetsmodul (drag)          | 650   | MPa       | DIN EN ISO 527    |
| Brottåkning                       | 50    | %         | DIN EN ISO 527    |
| Smältpunkt                        | 133   | °C        | ISO 11357-3       |
| Maximal drifttemperatur (korttid) | 130   | °C        |                   |
| Maximal drifttemperatur           | 80    | °C        |                   |
| Minsta temperatur                 | -200  | °C        |                   |
| Volymresistivitet                 | 10¹¹  | Î©        | DIN EN 62631-3-1  |
| Brandklassning (UL 94)            | 3     |           | UL 94             |
| Termisk konduktivitet             | 0.4   | W/(m·K)   | DIN 52612         |
| Ytresistivitet                    | 10¹¹  | Î©        | DIN EN 62631-3-2  |
| Fuktabsorption till mättnad       | 0.01  | %         |                   |
| Vattenabsorption till mättnad     | 0.01  | %         |                   |
| Skårad slagseghet (Charpy)        | 2     | kJ/m²     | DIN EN ISO 179    |
| Slagseghet (Charpy)               | 2     | kJ/m²     | DIN EN ISO 179    |
| Termisk utvidgningskoefficient    | 1.75  | 10⁻⁵ /K   | DIN 53 752        |
| Hårdhet Shore D                   | 60    | ° Shore D | DIN EN ISO 868    |
| Kultryckshårdhet                  | 34    | MPa       | ISO 2039-1        |

## 2. Kemisk beständighet

Beständig Delvis beständig Ej beständig

| Kemikalie               | Konc. | Resultat |
|-------------------------|-------|----------|
| 1,4-Dioxan              | 100%  |          |
| 2-Hydroxypropionic Acid | 90%   |          |
| Acetaldehyd             | â€    |          |

| Kemikalie                         | Konc.             | Resultat |
|-----------------------------------|-------------------|----------|
| Acetic Acid                       | 100%              | ●        |
| Aceton                            | â€”               | ●        |
| Aceton                            | 100%              | ●        |
| Acronal-dispersjoner              | â€”               | ●        |
| Akrylonitril                      | â€”               | ●        |
| Allylacetat                       | â€”               | ●        |
| Allylalkohol                      | 96%               | ●        |
| Allylklorid                       | â€”               | ●        |
| Aluminiumfluorid                  | Conc.             | ●        |
| Aluminiumhydroxid                 | â€”               | ●        |
| Aluminiumklorid, fast             | â€”               | ●        |
| Aluminiumklorid, vattenl.         | any               | ●        |
| Aluminiummetafosfat               | â€”               | ●        |
| Aluminiumsulfat, fast             | â€”               | ●        |
| Aluminiumsulfat, vattenl. m  ttad | â€”               | ●        |
| Ammoniak                          | concentrated      | ●        |
| Ammoniak, flytande                | â€”               | ●        |
| Ammoniak, gas                     | â€”               | ●        |
| Ammonium Chloride                 | â€”               | ●        |
| Amyl Alcohol                      | â€”               | ●        |
| Anilin                            | any               | ●        |
| Anisol                            | â€”               | ●        |
| Apple Juice                       | â€”               | ●        |
| Bensen                            | â€”               | ●        |
| Bensen                            | technically grade | ●        |
| Bensoesyra, vattenl.              | any               | ●        |
| Bensylalkohol                     | â€”               | ●        |
| Benzaldehyd, vattenl.             | any               | ●        |
| Bitumen                           | â€”               | ●        |
| Bleaching Solution                | 12.5 cl           | ●        |
| Bl  ck                            | â€”               | ●        |
| Boric Acid                        | 100%              | ●        |
| Brake Fluid                       | â€”               | ●        |
| Brom, flytande                    | 100%              | ●        |
| Bromv  tesyra, vattenl.           | 50%               | ●        |

| Kemikalie              | Konc.   | Resultat |
|------------------------|---------|----------|
| Br  nsle (aromatfritt) |         |          |
| Butanol, vattenl.      | any     |          |
| Butyl Acetate          |         |          |
| Calcium Chloride       |         |          |
| Calcium carbonate      |         |          |
| Calcium carbonate      |         |          |
| Carbon Disulfide       | 100%    |          |
| Carbon Tetrachloride   |         |          |
| Caustic soda           | any     |          |
| Cider                  |         |          |
| Citric Acid            | 10%     |          |
| Citrusfruktjuicer      |         |          |
| Cyklohexan             |         |          |
| Cyklohexanol           |         |          |
| Cyklohexanon           | 100%    |          |
| Cyklohexanon           |         |          |
| Cyklohexen             | 100%    |          |
| Dibutyleter            |         |          |
| Dibutylftalat          |         |          |
| Diesel Fuel            |         |          |
| Diesel fuel            |         |          |
| Diethylene Oxide       |         |          |
| Diglykolsyra, vattenl. | 30%     |          |
| Diklorethan            |         |          |
| Diklor  ttiksyra       |         |          |
| Dimethyl formamide     |         |          |
| Dimetylamin            |         |          |
| Dioxan                 |         |          |
| Diskmedel              |         |          |
| Eldningsolja           |         |          |
| Ethanol                | 10%     |          |
| Ethanol                | 10%     |          |
| Ethanol                | 10%     |          |
| Ethanol                | 10% v/v |          |

| Kemikalie                                | Konc.       | Resultat |
|------------------------------------------|-------------|----------|
| Ethyl Acetate                            | 100%        | ●        |
| Ethyl Alcohol                            | 96%         | ●        |
| Ethylene Chloride                        | 100%        | ●        |
| Etylacetat                               | â€”         | ●        |
| Etylenalkohol                            | 96%         | ●        |
| Etylendiamin                             | â€”         | ●        |
| Etylenglykol                             | â€”         | ●        |
| Etylenklorid                             | â€”         | ●        |
| Fenol                                    | â€”         | ●        |
| Fenol (vattenl.)                         | â€”9%       | ●        |
| Ferrous (III) nitrate, aqueous saturated | â€”         | ●        |
| Ferrous (III) sulfate, aqueous saturated | â€”         | ●        |
| Food Oil                                 | â€”         | ●        |
| Formaldehyd (vattenl.)                   | 40%         | ●        |
| Formaldehyd, vattenl.                    | â€”40%      | ●        |
| Formic Acid                              | 10%         | ●        |
| Fosforsyra, vattenl.                     | 50%         | ●        |
| Fosforsyra, vattenl.                     | 80% L 95%   | ●        |
| Fosfortriklorid                          | â€”         | ●        |
| Fotogen                                  | â€”         | ●        |
| Frigen 12 (Freon 12)                     | 100%        | ●        |
| Frost Protection Agent                   | â€”         | ●        |
| Fruktjuicer                              | any         | ●        |
| Ftalsyra, vattenl.                       | 50%         | ●        |
| Furfurol                                 | â€”         | ●        |
| Garvsyra (tannin), vattenl.              | 10%         | ●        |
| Glycerin                                 | 100%        | ●        |
| Glycerin, aqueous                        | any         | ●        |
| Glykol                                   | 100%        | ●        |
| Glykol, aqueous                          | as supplied | ●        |
| Glysantin                                | â€”         | ●        |
| Havsvatten                               | â€”         | ●        |
| Heating Oil                              | â€”         | ●        |
| Heptan                                   | 100%        | ●        |

| Kemikalie                              | Konc.             | Resultat |
|----------------------------------------|-------------------|----------|
| Heptan                                 | â€”               | ●        |
| Hexan                                  | â€”               | ●        |
| Honung                                 | â€”               | ●        |
| Hydrochloric Acid                      | 10%               | ●        |
| Hydrochloric Acid (concentrated)       | concentrated      | ●        |
| Hydrofluoric Acid                      | 40%               | ●        |
| Hydrogen Peroxide                      | 10%               | ●        |
| Hydrogen Sulfide (aqueous solution)    | â€”               | ●        |
| Isooktan                               | â€”               | ●        |
| Isopropanol                            | â€”               | ●        |
| Isopropyl Alcohol                      | 100%              | ●        |
| Isopropyleter                          | â€”               | ●        |
| Jod i kaliumjodidl sning               | 3% iodine         | ●        |
| J  rn(II)klorid, vattenl. m  ttad      | â€”               | ●        |
| J  rn(II)sulfat, vattenl. m  ttad      | â€”               | ●        |
| J  rn(III)klorid, vattenl.             | any               | ●        |
| J  rn(III)klorid, vattenl. m  ttad     | â€”               | ●        |
| J  rn(III)nitrat, vattenl. m  ttad     | â€”               | ●        |
| J  rn(III)sulfat, vattenl. m  ttad     | â€”               | ●        |
| Kalciumhypoklorit, vattenl. suspension | any               | ●        |
| Kamfer                                 | â€”               | ●        |
| Klor (gas)                             | 100%              | ●        |
| Klor, flytande                         | â€”               | ●        |
| Klorbensen                             | â€”               | ●        |
| Klorbensen                             | 100%              | ●        |
| Kloroform                              | â€”               | ●        |
| Kloroform                              | technically grade | ●        |
| Klor  ttiksyra, vattenl.               |    85%            | ●        |
| Kokosolja                              | â€”               | ●        |
| Koldisulfid                            | â€”               | ●        |
| Kresol                                 | â€”               | ●        |
| Kresol                                 | 100%              | ●        |
| Kromsyra-svavelsyra                    | â€”               | ●        |
| Kungsvatten                            | â€”               | ●        |

| Kemikalie                                    | Konc.                      | Resultat |
|----------------------------------------------|----------------------------|----------|
| Kvicksilver                                  | â€™                        | ●        |
| Linolja                                      | technically grade          | ●        |
| Linseed Oil                                  | â€™                        | ●        |
| Litiumbromid                                 | â€™                        | ●        |
| Magnesium stearate                           | â€™                        | ●        |
| Magnesium stearate                           | â€™                        | ●        |
| Maleinsyra, vattenl.                         | any                        | ●        |
| Melass                                       | â€™                        | ●        |
| Mentol                                       | â€™                        | ●        |
| Merkurokrom                                  | â€™                        | ●        |
| Metanol                                      | technically grade          | ●        |
| Methyl Alcohol                               | 100%                       | ●        |
| Methyl Ethyl Ketone (MEK)                    | 100%                       | ●        |
| Methyl ethyl ketone                          | technically grade          | ●        |
| Methylene Chloride                           | 100%                       | ●        |
| Metylklorid                                  | gaseous, technically grade | ●        |
| Mineral Oil (aromatic free)                  | â€™                        | ●        |
| Mj  lk                                       | â€™                        | ●        |
| Mj  lk                                       | â€™                        | ●        |
| Motor oil (heavy duty oil) without additives | â€™                        | ●        |
| Myrsyra, vattenl.                            | 85%                        | ●        |
| Nafta                                        | â€™                        | ●        |
| Naftalen                                     | â€™                        | ●        |
| Natriumbromid                                | â€™                        | ●        |
| Natriumhydroxid, fast                        | â€™                        | ●        |
| Natriumhydroxid, vattenl.                    | any                        | ●        |
| Nitric Acid                                  | 10%                        | ●        |
| Nitric Acid (50%)                            | 50%                        | ●        |
| Nitrobensen                                  | â€™                        | ●        |
| Nitrobensen                                  | â€™                        | ●        |
| Oils, ethereal                               | â€™                        | ●        |
| Oleum                                        | any                        | ●        |
| Olive oil                                    | â€™                        | ●        |
| Olive oil                                    | â€™                        | ●        |

| Kemikalie                           | Konc.       | Resultat |
|-------------------------------------|-------------|----------|
| Olive oil                           | â€™         | ●        |
| Olive oil                           | â€™         | ●        |
| Oljesyra                            | â€™         | ●        |
| Oljor, vegetabiliska och animaliska | â€™         | ●        |
| Oxalic Acid                         | â€™         | ●        |
| Oxalsyra, vattenl.                  | any         | ●        |
| Ozon                                | 50 ppm      | ●        |
| Ozone Gas                           | â%□0.5 ppm  | ●        |
| Paraffine Oil                       | 100%        | ●        |
| Perkloretylen                       | â€™         | ●        |
| Perklorsyra, vattenl.               | 20%         | ●        |
| Perklorsyra, vattenl.               | 50%         | ●        |
| Perklorsyra, vattenl.               | 70%         | ●        |
| Petroleum                           | â€™         | ●        |
| Petroleum                           | 100%        | ●        |
| Petroleum Ether                     | 100%        | ●        |
| Petroleumeter                       | â€™         | ●        |
| Phosphoric Acid                     | 50%         | ●        |
| Photographic developers             | â€™         | ●        |
| Photographic emulsions              | as supplied | ●        |
| Photographic fixing baths           | as supplied | ●        |
| Polyesterhartser                    | â€™         | ●        |
| Potassium Hydroxide liquor          | 50%         | ●        |
| Premium Fuel                        | â€™         | ●        |
| Propionsyra, vattenl.               | any         | ●        |
| Propyl Alcohol                      | â€™         | ●        |
| Pyridin                             | â€™         | ●        |
| Pyridin                             | â€™         | ●        |
| Salpetersyra, vattenl.              | 25%         | ●        |
| Salpetersyra, vattenl.              | 50%         | ●        |
| Saltsyra, vattenl.                  | any         | ●        |
| Silicon dioxide                     | â€™         | ●        |
| Silicon dioxide                     | â€™         | ●        |
| Silicone Oil                        | â€™         | ●        |

| Kemikalie                       | Konc.             | Resultat |
|---------------------------------|-------------------|----------|
| Silikonolja                     | technically grade | ●        |
| Sm  r                           |                   | ●        |
| Sockersirap                     |                   | ●        |
| 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                   |                   |          |
| Stearinsyra                     |                   |          |
| Sulfuric Acid                   | 96%               |          |
| Svavelsyra, vattenl.            |     50%           |          |
| Svavelsyra, vattenl.            | 80%               |          |
| Svavelsyra, vattenl.            | 98%               |          |
| Svavelsyra, vattenl.            | 70%               |          |
| Sylt                            |                   |          |
| Syre                            |                   |          |
| Talg                            | technically grade |          |
| Tenn(II)klorid, vattenl.        | any               |          |
| Tenn(IV)klorid, vattenl.        | saturated         |          |
| Terpentinolja                   | technically grade |          |
| Tetrahydrofuran                 | technically grade |          |
| Tetrahydrofuran (THF)           | 100%              |          |
| Tiofen                          |                   |          |
| Tionylklorid                    |                   |          |
| Titanium dioxide                |                   |          |
| Titanium dioxide                |                   |          |
| Toluen                          | technically grade |          |
| Toluen                          | 100%              |          |
| Torskleversolja                 |                   |          |
| Transformatorolja (isolero  ja) | technically grade |          |
| Transformer Oil                 |                   |          |
| Trichloroacetic acid            | technically grade |          |

| Kemikalie            |                   | Konc. | Resultat |
|----------------------|-------------------|-------|----------|
| Trietanolamin        | â€”               |       | ●        |
| Trietanolamin        | â€”               |       | ●        |
| Trikloretén          | technically grade |       | ●        |
| Trikloretén          | 100%              |       | ●        |
| Urea, aqueous        | â‰ƒ33%            |       | ●        |
| Vaselin              | technically grade |       | ●        |
| Vatten               | â€”               |       | ●        |
| Vatten, destillerat  | â€”               |       | ●        |
| Vin                  | â€”               |       | ●        |
| Washing up liquids   | usual             |       | ●        |
| Xylen                | â€”               |       | ●        |
| Xylen                | â€”               |       | ●        |
| Zinkslam             | â€”               |       | ●        |
| Ã„ttika (standard)   | 5-10%             |       | ●        |
| Ã„ttiksyra           | 3% w/w            |       | ●        |
| Ã„ttiksyra           | 3%                |       | ●        |
| Ã„ttiksyra           | 3%                |       | ●        |
| Ã„ttiksyra           | 100%              |       | ●        |
| Ã„ttiksyra           | 3%                |       | ●        |
| Ã„ttiksyra, vattenl. | 70%               |       | ●        |
| Ã„ttiksyraanhydrid   | â€”               |       | ●        |
| Ã–I                  | â€”               |       | ●        |