



# PEEK Mod 285/112x1000 mm musta

Artikelnr P1501110

## 1. Tekniskt datablad

| Egenskap                                      | Värde | Enhet   | Standard    |
|-----------------------------------------------|-------|---------|-------------|
| Tiheys                                        | 1.31  | g/cm³   | ISO 1183    |
| Venymisrajan jännitys                         | 112   | MPa     | ISO527-2    |
| Joustavuusmoduli (vetolujuus)                 | 4400  | MPa     | ISO 527-2   |
| Murtolujuus                                   | 67    | MPa     | ISO 527     |
| Murtovenymä                                   | 20    | %       | ISO 527-2   |
| Sulamispiste                                  | 340   | °C      | ISO 3146    |
| Maksimaalinen käyttölämpötila (lyhytaikainen) | 291   | °C      | UL746B      |
| Maksimi käyttölämpötila                       | 245   | °C      |             |
| Alin lämpötila                                | -35   | °C      |             |
| Lämpöalkäyrä (HDT/A)                          | 160   | °C      | ISO 75-2    |
| Lämpöalkäyrä (HDT/B)                          | 240   | °C      | ISO 75      |
| Vicat-pehmenemislämpötila (VST/B/50)          | 50    | °C      | ISO 306     |
| Dielektrinen voimakkuus                       | 24    | kV/mm   | IEC 60243-1 |
| Tilavuusresistanssi                           | 10¹¹  | Ω·cm    | IEC 60093   |
| Dielektrinen vakio (1 MHz)                    | 3.6   | -       | IEC 60250   |
| Dielektrinen vakio (100 Hz)                   | 3.2   | -       | IEC 60250   |
| Dielektrinen hajoamiskerroin (1 MHz)          | 0.0   | -       | IEC 60250   |
| Dielektrinen hajoamiskerroin (100 Hz)         | 0.0   | -       | IEC 60250   |
| Paloaluokitus (UL 94)                         | 0     |         | UL 94       |
| Taivutuslujuus                                | 110   | MPa     | ISO 527-2   |
| Lämpöjohtavuus                                | 0.25  | W/(m·K) | DIN 52612   |
| Pintaresistanssi                              | 10¹¹  | Ω       | IEC 60093   |
| Vertailukemisindeksi (CTI)                    | 150   | V       | IEC 60112   |
| Imeytymisen maksimointi                       | 0.2   | %       | ISO 62      |
| Vesihaku kyllästymiseen                       | 0.45  | %       | ISO 62      |
| Särkyäkesto (Charpy)                          | 3.5   | kJ/m²   | ISO 179/1eA |
| Iskunkestävyys (Charpy)                       | 92    | kJ/m²   | ISO179/1eU  |

| Egenskap               | V rde | Enhet      | Standard       |
|------------------------|-------|------------|----------------|
| L mp laajenemiskerroin | 0.5   | 10  /K     | DIN 11359      |
| Kovuus Shore D         | 90    |    Shore D | DIN EN ISO 868 |
| Kulmapaineen kovuus    | 230   | 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    | ●        |
| Acetic acid                           | 100   | ●        |
| Acetone                               | 100   | ●        |
| Ammonia                               |       | ●        |
| Ammonium chloride                     |       | ●        |
| Amyl alcohol                          |       | ●        |
| Apple juice                           |       | ●        |
| Benzene                               |       | ●        |
| Boric acid                            | 100   | ●        |
| Brake fluid                           |       | ●        |
| Butyl acetate                         |       | ●        |
| Calcium chloride                      |       | ●        |
| Carbon tetrachloride                  |       | ●        |
| Chlorine (gas)                        | 100   | ●        |
| Chlorobenzene                         | 100   | ●        |
| Chloroform                            |       | ●        |
| Citric acid                           | 10    | ●        |
| Cyclohexanone                         | 100   | ●        |
| Cyclohexene                           | 100   | ●        |
| Diesel                                |       | ●        |
| Diethylene oxide                      |       | ●        |
| Ethyl acetate                         | 100   | ●        |
| Ethyl alcohol (ethanol)               | 96    | ●        |
| Ethylene chloride                     | 100   | ●        |
| Food oil                              |       | ●        |

| Kemikalie                        | Konc. | Resultat    |
|----------------------------------|-------|-------------|
| Formaldehyde (aqueous)           | 40    | <div></div> |
| Formic acid                      | 10    | <div></div> |
| Frost protection agent           | â€”   | <div></div> |
| Fuel oil                         | â€”   | <div></div> |
| Fuel, aromatic free              | â€”   | <div></div> |
| Glycerine                        | 100   | <div></div> |
| Glycol                           | 100   | <div></div> |
| Heptane                          | 100   | <div></div> |
| Hydrochloric acid                | 10    | <div></div> |
| Hydrochloric acid (concentrated) | â€”   | <div></div> |
| Hydrofluoric acid                | 40    | <div></div> |
| Hydrogen peroxide                | 10    | <div></div> |
| Hydrogen sulfide (aqueous)       | â€”   | <div></div> |
| Isopropyl alcohol                | 100   | <div></div> |
| Linseed oil                      | â€”   | <div></div> |
| Mercurochrome                    | â€”   | <div></div> |
| Methyl alcohol (methanol)        | 100   | <div></div> |
| Methyl ethyl ketone (MEK)        | 100   | <div></div> |
| Methylene chloride               | 100   | <div></div> |
| Milk                             | â€”   | <div></div> |
| Mineral oils (aromatic free)     | â€”   | <div></div> |
| Nitric acid                      | 50    | <div></div> |
| Nitric acid                      | 10    | <div></div> |
| Nitrobenzene                     | â€”   | <div></div> |
| Oxalic acid                      | â€”   | <div></div> |
| Ozone (gas)                      | â€”   | <div></div> |
| Paraffin oil                     | 100   | <div></div> |
| Perchloroethylene                | â€”   | <div></div> |
| Petroleum                        | 100   | <div></div> |
| Petroleum ether                  | 100   | <div></div> |
| Phenol (aqueous)                 | 9     | <div></div> |
| Phosphoric acid                  | 50    | <div></div> |
| Potassium hydroxide solution     | 50    | <div></div> |
| Premium fuel                     | â€”   | <div></div> |
| Propyl alcohol                   | â€”   | <div></div> |

| Kemikalie                                | Konc. | Resultat |
|------------------------------------------|-------|----------|
| Pyridine                                 | â€”   | ●        |
| Silicone oil                             | â€”   | ●        |
| Sodium carbonate (aqueous)               | â€”   | ●        |
| Sodium chloride (aqueous)                | â€”   | ●        |
| Sodium hydrogen sulfite                  | â€”   | ●        |
| Sodium hydroxide solution (caustic soda) | 60    | ●        |
| Sodium hydroxide solution (caustic soda) | 15    | ●        |
| Sodium nitrate (aqueous)                 | â€”   | ●        |
| Sodium thiosulfate                       | â€”   | ●        |
| Sulphuric acid                           | 96    | ●        |
| Tetrahydrofuran (THF)                    | 100   | ●        |
| Toluene                                  | 100   | ●        |
| Transformer oil                          | â€”   | ●        |
| Trichloroethylene                        | 100   | ●        |
| Vinegar (standard)                       | 5-10  | ●        |
| Water                                    | â€”   | ●        |
| Xylene                                   | â€”   | ●        |