



PET 2000x1000x12 mm svart

Artikelnr P1003747  
Material PET

1. Tekniskt datablad

| Egenskap                               | Värde            | Enhet   | Standard         |
|----------------------------------------|------------------|---------|------------------|
| Tetthet                                | 1.46             | g/cm³   | ISO 1183         |
| StrekkgrenseSpenning                   | 52               | MPa     | ISO 527          |
| Elastisitetsmodul (trek)               | 3400             | MPa     | ISO 527-2        |
| Brottspenning                          | 58               | MPa     | ISO 527          |
| Brottsdeformasjon                      | 5                | %       | ISO 527-2        |
| Smeltepunkt                            | 224              | °C      | ISO 3146         |
| Maksimal drifttemperatur (kortvarig)   | 138.75           | °C      | UL746B           |
| Maksimal driftstemperatur              | 97               | °C      |                  |
| Minstemperatur                         | -25              | °C      |                  |
| Varme-forvrengning (HDT/A)             | 85               | °C      | ISO 75           |
| Varme-forvrengning (HDT/B)             | 100              | °C      | ISO 75           |
| Vicat-mykningstemperatur (VST/B/50)    | 219              | °C      | ISO 306          |
| Dielektrisk Styrke                     | 22               | kV/mm   | IEC 60243-1      |
| VolumResistivitet                      | 10 <sup>18</sup> | Ω·cm    | DIN EN 62631-3-1 |
| Dielektrisk konstant (1 MHz)           | 3.3              | -       | IEC 60250        |
| Dielektrisk dissipasjonsfaktor (1 MHz) | 0.0              | -       | IEC 60250        |
| Dielektrisk tapfaktor (100 Hz)         | 0.0              | -       | IEC 60250        |
| Bøyhållfasthet                         | 75.25            | MPa     | ISO 178          |
| Termisk konduktivitet                  | 0.33             | W/(m·K) | DIN 52612        |
| Overflatemotstand                      | 10 <sup>14</sup> | Ω       | IEC 60093        |
| Sammenligningskrypstrømsindeks (CTI)   | 600              | V       | IEC 60112        |
| Fuktabsorpsjon til metning             | 0.02             | %       | ISO 62           |
| Vannabsorpsjon til metning             | 0.02             | %       | ISO 62           |
| Skåret slagfasthet (Charpy)            | 90               | kJ/m²   | ISO 180          |
| Slagsegghet (Charpy)                   | 37               | kJ/m²   | ISO 179/1eU      |

| Egenskap                      | Värde      | Enhet               | Standard  |
|-------------------------------|------------|---------------------|-----------|
| Termisk utvidelseskoefficient | <b>0.8</b> | 10 <sup>-4</sup> /K | DIN 11359 |
| Hardhet Shore D               | <b>77</b>  | ° Shore D           | ISO 868   |
| Hardhet Rockwell              | <b>112</b> | M-scale             |           |
| Kuletrykkshardhet             | <b>166</b> | MPa                 | ISO 2039  |

## 2. Kemisk beständighet

● Beständig
 ● Delvis beständig
 ● Ej beständig

| Kemikalie            | Konc. | Resultat       |
|----------------------|-------|----------------|
| 1,4-Dioxan           | 100   | <span>●</span> |
| 1,4-Dioxan           | 100   | <span>●</span> |
| Aceton               | 100   | <span>●</span> |
| Aceton               | 100   | <span>●</span> |
| Ammoniak             | conc. | <span>●</span> |
| Ammoniak             | conc. | <span>●</span> |
| Bensen               | -     | <span>●</span> |
| Bensen               | -     | <span>●</span> |
| Bensin (premium)     | -     | <span>●</span> |
| Bensin (premium)     | -     | <span>●</span> |
| Blekningslösning     | -     | <span>●</span> |
| Bremsevæske          | -     | <span>●</span> |
| Bremsevæske          | -     | <span>●</span> |
| Bränsle, aromatfritt | -     | <span>●</span> |
| Bränsle, aromatfritt | -     | <span>●</span> |
| Butylacetat          | -     | <span>●</span> |
| Butylacetat          | -     | <span>●</span> |
| Citronsyra           | 10    | <span>●</span> |
| Citronsyra           | 10    | <span>●</span> |
| Diesel               | -     | <span>●</span> |
| Diesel               | -     | <span>●</span> |
| Dietylenoxid         | -     | <span>●</span> |
| Dietylenoxid         | -     | <span>●</span> |
| Eddik, standard      | 5-10% | <span>●</span> |
| Eddik, standard      | 5-10  | <span>●</span> |
| Eddik, standard      | 5-10  | <span>●</span> |

| Kemikalie             | Konc. | Resultat |
|-----------------------|-------|----------|
| Eplejuice             | -     | ●        |
| Eplejuice             | -     | ●        |
| Etylacetat            | 100   | ●        |
| Etylacetat            | 100   | ●        |
| Etylalkohol (etanol)  | 96    | ●        |
| Etylalkohol (etanol)  | 96%   | ●        |
| Etylalkohol (etanol)  | 96    | ●        |
| Etylenklorid          | 100   | ●        |
| Etylenklorid          | 100   | ●        |
| Fenol, vattenl.       | ca.9  | ●        |
| Flussyre              | 40    | ●        |
| Flussyre              | 40%   | ●        |
| Flussyre              | 40    | ●        |
| Fosforsyra            | 50    | ●        |
| Fosforsyra            | 50    | ●        |
| Frostvæske            | -     | ●        |
| Frostvæske            | -     | ●        |
| Fyringsolje           | -     | ●        |
| Fyringsolje           | -     | ●        |
| Glycerin              | 100   | ●        |
| Glycerin              | 100   | ●        |
| Glycerin              | 100%  | ●        |
| Glykol                | 100   | ●        |
| Glykol                | 100   | ●        |
| Heptan                | 100   | ●        |
| Heptan                | 100   | ●        |
| Hydrogenperoxid       | 10    | ●        |
| Hydrogenperoxid       | 10    | ●        |
| Isopropylalkohol      | 100%  | ●        |
| Isopropylalkohol      | 100   | ●        |
| Isopropylalkohol      | 100   | ●        |
| Kalciumklorid         | -     | ●        |
| Kalciumklorid         | -     | ●        |
| Kaliumhydroxidlösning | 50    | ●        |

| Kemikalie                          | Konc. | Resultat |
|------------------------------------|-------|----------|
| Kaliumhydroxidlösning              | 50    | ●        |
| Klorbensen                         | 100   | ●        |
| Klorbensen                         | 100   | ●        |
| Klorbensen                         | 100%  | ●        |
| Kloroform                          | -     | ●        |
| Kloroform                          | -     | ●        |
| Koldisulfid                        | 100   | ●        |
| Koldisulfid                        | 100   | ●        |
| Koltetraklorid                     | -     | ●        |
| Koltetraklorid                     | -     | ●        |
| Koltetraklorid                     | -     | ●        |
| Linolje                            | -     | ●        |
| Linolje                            | -     | ●        |
| Matolje                            | -     | ●        |
| Matolje                            | -     | ●        |
| Matolje                            | -     | ●        |
| Maursyre                           | 10    | ●        |
| Maursyre                           | 10    | ●        |
| Melk                               | -     | ●        |
| Melk                               | -     | ●        |
| Merkurokrom                        | -     | ●        |
| Metylalkohol (metanol)             | 100%  | ●        |
| Metylalkohol (metanol)             | 100   | ●        |
| Metylalkohol (metanol)             | 100   | ●        |
| Metylenklorid                      | 100   | ●        |
| Metylenklorid                      | 100   | ●        |
| Metyletylketon (MEK)               | 100   | ●        |
| Metyletylketon (MEK)               | 100   | ●        |
| Mineraloljer, aromatfrie           | -     | ●        |
| Mineraloljer, aromatfrie           | -     | ●        |
| Natriumhydroxidlösning (natronlut) | 60    | ●        |
| Natriumhydroxidlösning (natronlut) | 15    | ●        |
| Natriumhydroxidlösning (natronlut) | 60    | ●        |
| Natriumhydroxidlösning (natronlut) | 15    | ●        |
| Natriumkarbonat, vattenl.          | -     | ●        |

| Kemikalie                 | Konc. | Resultat |
|---------------------------|-------|----------|
| Natriumkarbonat, vattenl. | -     | ●        |
| Natriumklorid, vattenl.   | -     | ●        |
| Natriumklorid, vattenl.   | -     | ●        |
| Natriumnitrat, vattenl.   | -     | ●        |
| Natriumtiosulfat          | -     | ●        |
| Natriumvätesulfit         | -     | ●        |
| Natriumvätesulfit         | -     | ●        |
| Natriumvätesulfit         | -     | ●        |
| Natriumvätesulfit         | -     | ●        |
| Paraffinolja              | 100   | ●        |
| Paraffinolja              | 100   | ●        |
| Perkloretylen             | -     | ●        |
| Perkloretylen             | -     | ●        |
| Petroleum                 | 100   | ●        |
| Petroleum                 | 100%  | ●        |
| Petroleumeter             | 100   | ●        |
| Petroleumeter             | 100%  | ●        |
| Petroleumeter             | 100   | ●        |
| Propylalkohol             | -     | ●        |
| Propylalkohol             | -     | ●        |
| Salpetersyra              | 10%   | ●        |
| Salpetersyra              | 10    | ●        |
| Salpetersyra              | 50    | ●        |
| Salpetersyra              | 50    | ●        |
| Salpetersyra              | 10    | ●        |
| Saltsyra                  | 10    | ●        |
| Saltsyra                  | 10    | ●        |
| Saltsyra                  | conc. | ●        |
| Saltsyra                  | conc. | ●        |
| Saltsyra (konc.)          | conc. | ●        |
| Silikonolja               | -     | ●        |
| Silikonolja               | -     | ●        |
| Svavelsyra                | 96    | ●        |
| Svavelsyra                | 96    | ●        |
| Tetrahydrofuran (THF)     | 100   | ●        |
| Tetrahydrofuran (THF)     | 100   | ●        |

| Kemikalie            | Konc. | Resultat    |
|----------------------|-------|-------------|
| Toluen               | 100   | <div></div> |
| Toluen               | 100%  | <div></div> |
| Toluen               | 100   | <div></div> |
| Transformatorolje    | -     | <div></div> |
| Transformatorolje    | -     | <div></div> |
| Trikloreten          | 100   | <div></div> |
| Trikloreten          | 100   | <div></div> |
| Vann                 | -     | <div></div> |
| Vann                 | -     | <div></div> |
| Vätesulfid, vattenl. | -     | <div></div> |
| Xylen                | -     | <div></div> |
| Xylen                | -     | <div></div> |
| Ättiksyra            | 100   | <div></div> |
| Ättiksyra            | 100   | <div></div> |
| Ättiksyra            | 100%  | <div></div> |