

## TECASINT 8061 yellow-brown - halvfabrikat

### Kemisk beteckning

PTFE (polytetrafluoretylen)

### Färg

Brun-beige

### Densitet

1.68 g/cm<sup>3</sup>

### Fillers

40% polyimid

### Huvud egenskaper

- mycket bra glid- och slitegenskaper
- anti klister
- mycket bra elektrisk isolering
- hög seghet
- mycket bra UV och väderbeständighet
- bra kemisk resistans
- känslig för hydrolys i högre termiska intervall

### Målindustrier

- kryogenteknik
- elektroteknik
- livsmedels eknik
- fixtur konstruktion
- transportteknik
- maskinteknik
- medicinsk teknik

| Mekaniska Egenskaper     | parameter           | värde            | enhet                            | norm                 | anmärkning  |
|--------------------------|---------------------|------------------|----------------------------------|----------------------|---|
| Draghållfasthet          | 50 mm/min           | 13               | MPa                              | DIN EN ISO 527-1     |   |
| slagstyrka (charpy)      | max 7.5 J           | 5.4              | kJ/m <sup>2</sup>                | DIN EN ISO 179-1eU   |   |
| Skårslahseghet (Charpy)  | max 7.5 J           | 2.5              | kJ/m <sup>2</sup>                | DIN EN ISO 179-1eA   |   |
| Shore hårdhet            | Shore D             | 70               |                                  | DIN EN ISO 868       |   |
| Värmeledningsförmåga     | parameter           | värde            | enhet                            | norm                 | anmärkning  |
| Glasövergångstemperatur  |                     | - 20             | °C                               | DIN EN ISO 11357     | (1) Found in public sources. Individual testing regarding application conditions is mandatory.  |
| Service temperatur       | long-term           | 270              | °C                               | -                    | 1)  |
| termisk expansion        | 50-200°C            | 6.7 / -          | 10 <sup>-5</sup> K <sup>-1</sup> | DIN 53 752           | 2)  |
| Specifik värme           |                     | 1                | J/(g*K)                          | -                    | (2) Thermal expansion XY/Z axis   |
| Värmeledningsförmåga     | 40°C                | 0.25             | W/(K*m)                          | ISO 8302             |   |
| Elektriska egenskaper    | parameter           | värde            | enhet                            | norm                 | anmärkning  |
| Specifik volymr esistans | 23°C                | 10 <sup>17</sup> | Ω*cm                             | DIN IEC 60093        |   |
| Övriga egenskaper        | parameter           | värde            | enhet                            | norm                 | anmärkning  |
| Vatten absorption        | 24 h in water, 23°C | 1.12             | %                                | DIN EN ISO 62        | (1) Corresponding means no listing at UL (yellow card). The information might be taken from resin, stock shape or estimation. Individual testing regarding application conditions is mandatory. |
| Brandklassning (UL94)    | corresponding to    | V0               |                                  | DIN IEC 60695-11-10; | 1)  |

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Datum: 2023/09/26

Version: AD