

TECATRON PPS CM XP64 natural - halvfabrikat

Kemisk beteckning

PPS (Polyphenylen sulfide)

Färg

Beige solid

Densitet

1.7 g/cm³

Fillers

40% glass fibres

Huvud egenskaper

- hög dimensionell stabilitet
- bra kemisk resistans
- högt krypmotstånd
- bra värmeledningstemperatur
- motstånd mot hög energi strålning
- hög styvhet
- hög styrka

Målindustrier

- olje- och gasindustrin

| Mekaniska Egenskaper | parameter | värde | enhet | norm | anmärkning |
|----------------------------------|-----------|-------|-------|-------------|------------|
| Draghållfasthet | | 42 | MPa | ASTM D 638 | |
| Elasticitetsmodul (dragprov) | | 6200 | MPa | ASTM D 638 | |
| Brottförlängning | | 1.1 | % | ASTM D 638 | |
| Böjhållfasthet | | 75 | MPa | ASTM D 790 | |
| Elasticitetsmodul (böjningstest) | | 8200 | MPa | ASTM D 790 | |
| Kompressionsstyrka | | 172 | MPa | ASTM D 695 | |
| Kompressionsmodul | | 3900 | MPa | ASTM D 695 | |
| Shore hårdhet | Shore D | 88 | | ASTM D 2240 | |
| Värmeledningsförmåga | parameter | värde | enhet | norm | anmärkning |
| värmeförvrängning temperatur | | 112 | °C | ASTM D 648 | |

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Ensinger Sweden AB
Stenvretsgatan 5
749 40 Enköping - Sweden

Tel +46 171 477050
Fax +46 171 440418
www.ensinger.se

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