

TECAPEEK CM XP98 black - halvfabrikat

Kemisk beteckning

PEEK (polyetereterketon)

Färg

Svart solid

Densitet

1.43 g/cm³

Fillers

kol fibrer

Huvud egenskaper

- inneboende flamskyddsmiddel
- bra värmeledningstemperatur
- hydrolys och överhettad ångbeständig
- bra för maskinbearbetning
- bra glid och slitegenskaper

Målindustrier

- olje- och gasindustrin

Mekaniska Egenskaper	parameter	värde	enhet	norm	anmärkning
Draghållfasthet		126	MPa	ASTM D 638	
Elasticitetsmodul (dragprov)		9600	MPa	ASTM D 638	
Brottförlängning		2.2	%	ASTM D 638	
Böj hållfasthet		210	MPa	ASTM D 790	
Elasticitetsmodul (böjningstest)		11000	MPa	ASTM D 790	
Kompressionsstyrka		181	MPa	ASTM D 695	
Shore hårdhet	Shore D	93		ASTM D 2240	
Värmeledningsförmåga	parameter	värde	enhet	norm	anmärkning
Smält temperatur	DSC	342	°C	-	
värmeförvrängning temperatur		> 237	°C	ASTM D 648	
Elektriska egenskaper	parameter	värde	enhet	norm	anmärkning
Specifikt ytmotstånd		10 ⁶	Ω	-	

→ TECAPEEK-produkter är baserade på Victrex® PEEK-polymer.

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