

## TECAPAI CM XP440 black-green - halvfabrikat

### Kemisk beteckning

PAI (Polyamidimide )

### Färg

svart-grön solid

### Densitet

1.46 g/cm<sup>3</sup>

### Fillers

grafit, PTFE

### Huvud egenskaper

- utmärkt kemisk resistans
- utmärkt slitenskaper
- mycket god termisk stabilitet
- utmärkt dimensionsstabilitet
- bra för maskinbearbetning

### Målindustrier

- olje- och gasindustrin
- chemical and refinery industry
- kemisk anläggningsteknik
- processteknik
- flygplan och rymdteknik

Mekaniska Egenskaper	parameter	värde	enhet	norm	anmärkning
Elasticitetsmodul (dragprov)	1mm/min	4300	MPa	DIN EN ISO 527-2	1)
Draghållfasthet vid brott	5mm/min	82	MPa	DIN EN ISO 527-2	
Brottförlängning	5mm/min	4,7	%	DIN EN ISO 527-2	
Böjhållfasthet	2mm/min, 10 N	134	MPa	DIN EN ISO 178	2)
Elasticitetsmodul (böjningstest)	2mm/min, 10 N	4000	MPa	DIN EN ISO 178	
Kompressionsstyrka	1% / 2% / 5%	13/33/87	MPa	EN ISO 604	3)
slagstyrka (charpy)	max. 7,5J	34	kJ/m <sup>2</sup>	DIN EN ISO 179-1eU	4)
Kultrycks hårdhet		193	MPa	ISO 2039-1	5)
Shore hårdhet	D scale	88		DIN EN ISO 868	
Värmeledningsförmåga	parameter	värde	enhet	norm	anmärkning
Glasövergångstemperatur		283	°C	DIN EN ISO 11357	
termisk expansion	23-60°C, longitudinal	3,5	10 <sup>-5</sup> K <sup>-1</sup>	DIN EN ISO 11359-1;2	
termisk expansion	23-100°C, longitudinal	3,5	10 <sup>-5</sup> K <sup>-1</sup>	DIN EN ISO 11359-1;2	
Övriga egenskaper	parameter	värde	enhet	norm	anmärkning
Fuktupptagning	24h / 96h (23°C)	0,3 / 0,5	%	DIN EN ISO 62	
Brandklassning (UL94)	3,3 mm	V0	-	-	

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