

TECAST T blue - halvfabrikat

Kemisk beteckning

PA 6 C (Gjuten polyamid 6)

Färg

Blå

Densitet

1.15 g/cm³

Data genereras direkt efter bearbetning (standardklimat Tyskland).

Huvud egenskaper

- bra slitenskaper
- bra mekaniska egenskaper
- hög utmattningsstyrka
- bra dämpning
- hög mekanisk lastkapacitet
- resistent mot många oljor, fetter och bränslen

Målindustrier

- byggbranschen
- växellåds tillverkning
- olje- och gasindustrin
- transportteknik
- jordbruksmaskiner
- tung industri
- gruvindustri

Mekaniska Egenskaper	parameter	värde	enhet	norm	anmärkning
Draghållfasthet	50mm/min	89	MPa	DIN EN ISO 527-2	(1) For tensile test: specimen type 1b
Elasticitetsmodul (dragprov)	1mm/min	3600	MPa	DIN EN ISO 527-2	1)
Böjhållfasthet	50mm/min	89	MPa	DIN EN ISO 527-2	
Dragtöjning	50mm/min	18	%	DIN EN ISO 527-2	
Brottförlängning	50mm/min	25	%	DIN EN ISO 527-2	
Shore hårdhet	D	82		DIN EN ISO 868	
Värmeledningsförmåga	parameter	värde	enhet	norm	anmärkning
Glasövergångstemperatur		49	°C	DIN EN ISO 11357	(1) Found in public sources. Individual testing regarding application conditions is mandatory.
Smält temperatur		217	°C	DIN EN ISO 11357	
Service temperatur	short term	170	°C	-	1)
Service temperatur	long term	100	°C	-	
termisk expansion	23-60°C, long.	11	10 ⁻⁵ K ⁻¹	DIN EN ISO 11359-1;2	2)
Specifik värme		1.6	J/(g*K)	ISO 22007-4:2008	
Värmeledningsförmåga		0.33	W/(K*m)	ISO 22007-4:2008	
Elektriska egenskaper	parameter	värde	enhet	norm	anmärkning
Specifikt ytmotstånd		10 ¹⁴	Ω	DIN IEC 60093	
Övriga egenskaper	parameter	värde	enhet	norm	anmärkning
Fuktupptagning	24h / 96h (23°C)	0.2 / 0.5	%	DIN EN ISO 62	1)
Motstånd mot varmvatten / baser		(+)		-	2)
Motståndskraft förvittring		(+)		-	3)
Brandklassning (UL94)	corresponding to	HB		DIN IEC 60695-11-10;	3)

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