

## TECAST L black - halvfabrikat

### Kemisk beteckning

PA 6 C (Gjuten polyamid 6)

### Färg

Svart solid

### Densitet

1.14 g/cm<sup>3</sup>

### Fillers

olja

Data genereras direkt efter bearbetning (standardklimat Tyskland).

### Huvud egenskaper

- bra glid och slitegenskaper
- hög seghet
- bra slitegenskaper
- resistent mot många oljer, fetter och bränslen
- hög styrka

### Målindustrier

- maskinteknik
- bilindustrin
- tung industri

Mekaniska Egenskaper	parameter	värde	enhet	norm	anmärkning
Draghållfasthet	50mm/min	70	MPa	DIN EN ISO 527-2	
Elasticitetsmodul (dragprov)	1mm/min	3100	MPa	DIN EN ISO 527-2	1)
Böjhållfasthet	50mm/min	68	MPa	DIN EN ISO 527-2	
Dragtöjning	50mm/min	4	%	DIN EN ISO 527-2	
Brottförlängning	50mm/min	50	%	DIN EN ISO 527-2	
Böjhållfasthet	2mm/min, 10 N	95	MPa	DIN EN ISO 178	2)
Elasticitetsmodul (böjningstest)	2mm/min, 10 N	2900	MPa	DIN EN ISO 178	
Kompressionsstyrka	1% / 2% / 5% 5mm/min, 10 N	21/37/78	MPa	EN ISO 604	3)
Kompressionsmodul	5mm/min, 10 N	2700	MPa	EN ISO 604	4)
slagstyrka (charpy)	max. 7,5J	n.b.	kJ/m <sup>2</sup>	DIN EN ISO 179-1eU	5)
Skårslahseghet (Charpy)	max. 7,5J	5	kJ/m <sup>2</sup>	DIN EN ISO 179-1eA	
Shore hårdhet	D	80		DIN EN ISO 868	
Värmeledningsförmåga	parameter	värde	enhet	norm	anmärkning
Glasövergångstemperatur		42	°C	DIN EN ISO 11357	1)
Smält temperatur		216	°C	DIN EN ISO 11357	
Service temperatur	short term	170	°C		2)
Service temperatur	long term	100	°C		
termisk expansion	23-60°C, long.	13	10 <sup>-5</sup> K <sup>-1</sup>	DIN EN ISO 11359-1;2	
termisk expansion	23-100°C, long.	13	10 <sup>-5</sup> K <sup>-1</sup>	DIN EN ISO 11359-1;2	
Specifik värme		1.7	J/(g*K)	ISO 22007-4:2008	
Värmeledningsförmåga		0.37	W/(K*m)	ISO 22007-4:2008	
Elektriska egenskaper	parameter	värde	enhet	norm	anmärkning
Specifikt ytmotstånd	Silver electrode, 23°C, 12% r.h.	10 <sup>14</sup>	Ω	DIN IEC 60093	1)
Specifik volymr esistans	Silver electrode, 23°C, 12% r.h.	10 <sup>14</sup>	Ω*cm	DIN IEC 60093	2)
Dielektrisk styrka	23°C, 50% r.h.	21	kV/mm	ISO 60243-1	3)
Motståndskraft mot spärning (CTI)	Platin electrode, 23°C, 50% r.h., solvent A	600	V	DIN EN 60112	
Övriga egenskaper	parameter	värde	enhet	norm	anmärkning
Vatten absorption	24h / 96h (23°C)	0.2 / 0.4	%	DIN EN ISO 62	1)
Motstånd mot varmvatten / baser	(+)	-	-		2)
Motståndskraft förvittring	(+)				
Brandklassning (UL94)	corresponding to	HB		DIN IEC 60695-11-10;	3)

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