

TECASINT 8001 yellow-brown - halvfabrikat

Kemisk beteckning

PTFE (polytetrafluoretylen)

Färg

ockra-brun

Densitet

1.88 g/cm³

Fillers

20% polyimid

Huvud egenskaper

- mycket bra glid- och slitegenskaper
- anti klister
- mycket bra elektrisk isolering
- hög seghet
- mycket bra UV och väderbeständighet
- bra kemisk resistans
- känslig för hydrolys i högre termiska intervall

Målindustrier

- kryogenteknik
- elektroteknik
- livsmedels eknik
- fixtur konstruktion
- medicinsk teknik
- textil industrin

Mekaniska Egenskaper	parameter	värde	enhet	norm	anmärkning
Draghållfasthet	50 mm/min	15	MPa	DIN EN ISO 527-1	
Shore hårdhet	Shore D	65		DIN EN ISO 868	
Värmeledningsförmåga	parameter	värde	enhet	norm	anmärkning
Glasövergångstemperatur		- 20	°C	DIN EN ISO 11357	(1) Found in public sources. Individual testing regarding application conditions is mandatory.
Service temperatur	long-term	250	°C	-	1)
termisk expansion	50-200°C	14.4 / -	10 ⁻⁵ K ⁻¹	DIN 53 752	2)
Specifik värme		1	J/(g*K)	-	(2) Thermal expansion XY/Z axis
Värmeledningsförmåga	40°C	0.25	W/(K*m)	ISO 8302	
Elektriska egenskaper	parameter	värde	enhet	norm	anmärkning
Specifik volymr esistans	23°C	10 ¹⁸	Ω*cm	DIN IEC 60093	
Dielektrisk konstant	10 kHz	2.3		DIN IEC 60250	
Övriga egenskaper	parameter	värde	enhet	norm	anmärkning
Vatten absorption	24 h in water, 23°C	0.70	%	DIN EN ISO 62	(1) Corresponding means no listing at UL (yellow card). The information might be taken from resin, stock shape or estimation. Individual testing regarding application conditions is mandatory.
Brandklassning (UL94)	corresponding to	V0		DIN IEC 60695-11-10;	1)

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