

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 hydrolysin i högre termiska intervall

Målindustrier

- kryogenteknik
- elektroteknik
- livsmedels teknik
- 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	
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)	-	
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	
Brandklassning (UL94)	corresponding to	V0		DIN IEC 60695-11-10; 1)	(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.

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