

TECASINT 8061 yellow-brown - halvfabrikat

Kemisk beteckning

PTFE (polytetrafluoretylen)

Färg

Brun-beige

Densitet

 1.68 g/cm³
Fillers

40% 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
- transportteknik
- maskinteknik
- medicinsk teknik

Mekaniska Egenskaper	parameter	värde	enhet	norm	anmärkning
Draghålfasthet	50 mm/min	13	MPa	DIN EN ISO 527-1	
slagstyrka (charpy)	max 7.5 J	5.4	kJ/m ²	DIN EN ISO 179-1eU	
Skärslahseghet (Charpy)	max 7.5 J	2.5	kJ/m ²	DIN EN ISO 179-1eA	
Shore hårdhet	Shore D	70		DIN EN ISO 868	
Värmeledningsförmåga	parameter	värde	enhet	norm	anmärkning
Glasövergångstemperatur		- 20	°C	DIN EN ISO 11357	
Service temperatur	long-term	270	°C	-	1)
termisk expansion	50-200°C	6.7 / -	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 ¹⁷	Ω*cm	DIN IEC 60093	
Övriga egenskaper	parameter	värde	enhet	norm	anmärkning
Vatten absorption	24 h in water, 23°C	1.12	%	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.

Our information and statements reflect the current state of our knowledge and shall inform about our products and their applications. They do not assure or guarantee chemical resistance, quality of products and their merchantability in a legally binding way. Our products are not defined for use in medical or dental implants. Existing commercial patents have to be observed. The corresponding values and information are no minimum or maximum values, but guideline values that can be used primarily for comparison purposes for material selection. These values are within the normal tolerance range of product properties and do not represent guaranteed property values. Therefore they shall not be used for specification purposes. Unless otherwise noted, these values were determined by tests at reference dimensions and machined specimen. As the properties depend on the dimensions of the semi-finished products and the orientation in the component (esp. in reinforced grades), the material may not be used without a separate testing under individual circumstances. The customer is solely responsible for the quality and suitability of products for the application and has to test usage and processing prior to use. Data sheet values are subject to periodic review, the most recent update can be found at www.ensingerplastics.com. Technical changes reserved.