

TECASINT 8061 yellow-brown - Stock Shapes (rods, plates, tubes)

Chemical Designation PTFE (Polytetrafluorethylene) Colour brown-beige Density 1.68 g/cm ³ Fillers 40% polyimide		Main features > very good slide a > anti adhesive > very good electric > high toughness > very good UV and > good chemical re > sensitive to hydro range	cal insulation d weather resi sistance	stance	 Target Industries cryogenic engineering electrical engineering food engineering fixture construction conveyor technology mechanical engineering medical technology 			
Mechanical properties	parameter	value	unit	norm	comment			
Tensile strength	50 mm/min	13	MPa	DIN EN	DIN EN ISO 527-1			
Impact strangth (Charpy)	may 7 5 1	E /	1, 1/m2					

Impact strength (Charpy) max 7.5 J		5.4	kJ/m²	DIN EN ISO 179-1eU			
Notched impact strength (Charpy)	max 7.5 J	2.5	kJ/m ²	DIN EN ISO 179-1eA		-	
Shore hardness	Shore D	70		DIN EN ISO 868		_	
Thermal properties	parameter	value	unit norm			comment	
Glass transition temperature		- 20	°C	DIN EN ISO 11357		(1) Found in public sources.	
Service temperature	long-term	270 6.7 / -	°C 10 ⁻⁵ K ⁻¹	-	1) 2)	Individual testing regarding application conditions is mandatory. (2) Thermal expansion XY/Z	
Thermal expansion (CLTE)	50-200°C			DIN 53 752			
Specific heat		1	J/(g*K)	c) -		axis	
Thermal conductivity	40°C	0.25	W/(K*m)	ISO 8302			
Electrical properties	parameter	value	unit	norm		comment	
volume resistivity	23°C	10 ¹⁷	Ω*cm	DIN IEC 60093			
Other properties	parameter value		unit	norm	_	comment	
Water absorption	24 h in water, 23°C	1.12	%	DIN EN ISO 62		(1) Corresponding means no	
Flammability (UL94)	corresponding to	V0		DIN IEC 60695-11-10;	1)	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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