

TECAPEEK SM TF20 natural – Spin Moulding

naramotor

Chemical designation

PEEK (polyetheretherketone)

Colour

Beige opaque

Density

1.39 g/cm³

Fillers

PTFE

Production process: spin moulding

Machanical proportios

Main features

- electrically insulating
- → high thermal and mechanical capacity
- → hydrolysis and superheated steam resistant
- → good chemical resistance
- → flame retardant according to UL94 V-0
- good machinability
- → good slide and wear properties
- → resistant to many solvents

Target Industries

- oil and gas industry
- → chemical technology
- → mechanical engineering
- → electrical engineering
- → aircraft and aerospace technology

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- → food engineering
- automotive industry
- → semiconductor technology
- vacuum technology
- → textile industry

Thormal proportion	naramatar	volue	unit	norm	commont
Shore D hardness		84		BS EN ISO 868	
Elongation at break		10	%	BS EN ISO 527-2	
Tensile strength at yield		70	MPa	BS EN ISO 527-2	
Tensile strength		70	MPa	BS EN ISO 527-2	
Modulus of elasticity (tensile test)		3000	MPa	BS EN ISO 527-2	
wechanical properties	parameter	value	unit	ПОПП	Comment

value

unit

Thermal properties	parameter	value	unit	norm		comment
Glass transition temperature		150	\mathcal{C}	DIN 53765	1)	(1) Found in public sources.
Melting temperature		341	\mathcal{C}			(2) Found in public sources. Individual testing regarding
Service temperature	short term	300	\mathcal{C}		2)	application conditions is
Service temperature	long term	260	\mathcal{C}			mandatory.

TECAPEEK products are based on Victrex® PEEK polymer.

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