

TECAPEEK SM TF20 natural – Spin Moulding

Chemical designation

PEEK (polyetheretherketone)

Colour

Beige opaque

Density

1.39 g/cm³

Fillers

PTFE

Production process: spin moulding

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

Mechanical properties	parameter	value	unit	norm	comment
	Modulus of elasticity (tensile test)	3000	MPa	BS EN ISO 527-2	
	Tensile strength	70	MPa	BS EN ISO 527-2	
	Tensile strength at yield	70	MPa	BS EN ISO 527-2	
	Elongation at break	10	%	BS EN ISO 527-2	
	Shore D hardness	84		BS EN ISO 868	

Thermal properties	parameter	value	unit	norm	comment
	Glass transition temperature	150	°C	DIN 53765	1)
	Melting temperature	341	°C		2)
	Service temperature	short term	300	°C	2)
	Service temperature	long term	260	°C	

➤ TECAPEEK products are based on Victrex® PEEK polymer.

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