

Technical Films

Tecfilm® PPSU TC 00750

Description: Tecfilm PPSU TC 00750 (Polyphenylsulfone) is an amorphous transparent high performance thermoplastic. Tecfilm PPSU TC 00750 is known for its high heat resistance, extreme toughness, high flexural and tensile strength, excellent hydrolytic stability and good resistance to a broad range of chemicals including aqueous mineral acids, bases and oxidizing agents and most solvents. Tecfilm PPSU TC 00750 is inherently flame resistant.

Properties: Tecfilm PPSU TC 00750 has a good impact resistance, chemical resistance, dimensional stability, heat resistant and biocompatibility.

Applications: Tecfilm PPSU TC 00750 is used in the aerospace, defence and life science industries

Colour: Transparent. Different colours on request.

Forms of delivery: Tecfilm PPSU TC 00750 is supplied in the form of punched and moulded parts, as cut-to-size pieces or strips and on rolls with a thickness of 0.05 mm to 0.51 mm. Other delivery forms on customer request.

Storage conditions: Tecfilm PPSU TC 00750 should be stored at room temperature in dry rooms.

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Properties	Test-Method	Unit	Value
Tensile strength @ yield	D638	MPa	79,9
Tensile strength @ break	D638	MPa	68,3
Tensile Elongation @ yield	D638	%	7,4
Tensile elongation @ break	D638	%	23,7
Tensile Modulus	D638	MPa	2448
Flexural strength – 5%	D790	MPa	99,3
Flexural modulus	D790	MPa	2323
Izod Impact resistance - notched	D256	J/m	163
Heat deflection temperature	D648	°C	207
Moisture Absorption	D570	%	0,37
Specific gravity	D792		1,29

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Trademark information: Tecfilm® is a registered trademark of Dr Dietrich Müller GmbH, Germany.

Please note:

The information in this technical data sheet is based on our current knowledge and experience. Due to the wide range of possible influences during application, it does not exempt the processor and user from carrying out their own tests and trials. A legally binding guarantee of certain properties or suitability for a specific application cannot be derived from our information. Depending on the individual case, we recommend consulting us. The recipient of our products is responsible for observing any industrial property rights and existing laws.
