

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 thoughness, 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. |
|---------------------|--|
| Propeties: | 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. |

Zeppelinring 18 | D-26197 Ahlhorn | Tel.: +49 (0) 4435 97 10 10 | Fax: +49 (0) 4435 97 10 11 info@mueller-ahlhorn.com | www.mueller-ahlhorn.com | Seat of the company: Ahlhorn Managing Director: Dr. Michael Müller | AG Oldenburg: HRB 209026 | Ust. ID-Nr.: DE 295969093 St.-Nr.: 68/207/07677 | Certified according to ISO 9001:2015 and ISO 14001:2015 UL recognised repacker E341377

 Production and distribution of electrical insulation materials, thermally conductive products, seals and technical films

Production of stamped parts, blanks and moulded parts

Cutting/assembly of films and adhesive tapes

CNC machining, laser cutting and water jet cutting



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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 | ۵° | 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.

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