

Technical films

Tecfilm® PBT TC 00080

Material: Tecfilm® PBT TC 00080 is a white or whitish semi-crystalline polyester film.

Applications: Tecfilm® PBT TC 00080 is used in electrical parts and components for automotive industry (including engine components) as well as electric power tool housings.

Delivery forms: Tecfilm® PBT TC 00080 can be delivered on roll or as tape, customized cut or die-cut part, as well as self-adhesive. Other delivery forms upon customer request.

Chemical properties	
Alcohols	good
Aromatic hydrocarbons	good
Greases and oils	good
Halogens	poor
Halogen hydrocarbon	good-poor
Ketones	good-poor
Lyes	satisfactory
Acids – concentrated	good-poor
Acids - diluted	good

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Properties	Unit	Value
Density	g/cm ³	1,31
Flammability		HB
Min. oxygen content	%	25
Radiation resistance		Good
Water absorption, over 24 h	%	0,1
Resolution factor 1 kHz		0,002
Dielectric strength	kV/mm ⁻¹	20
Dielectric constant 1 kHz		3,2
Spec. volume resistance	Ohmcm	10 ¹⁵
Heat bending temperature 0,45 MPa	°C	150
Heat bending temperature 1,8 MPa	°C	60
Max. long-term service temperature	°C	120
Spec. heat	J K ⁻¹ kg ⁻¹	1200-2300
Tensile modulus	GPa	2
Hardness – Rockwell		M70
Notch impact strength – Izod	J m ⁻¹	60
Elongation at break	%	250
Tensile strength	MPa	50

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

Please note:

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and the user from own tests and inspections because of the plenty of possible effects. There is no judicial binding assurance of certain properties or of the qualification for a concrete application in our declaration. We recommend consulting us in individual cases. The acceptor of our products has to observe possible industrial property rights as well as present laws by himself.

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