

TECAPEK ID blue - Stock Shapes (rods, plates, tubes)

Chemical Designation

PEEK (Polyetheretherketone)

Colour

blue grey opaque

Density

1.49 g/cm³

Fillers

detectable filler

Main features

- → detectable via metal detector
- → good chemical resistance
- → high creep resistance
- → inherent flame retardant
- → good heat deflection temperature
- hydrolysis and superheated steam resistant
- → good machinability

Target Industries

- → food technology
- → mechanical engineering

DIN EN ISO 527-2 DIN EN ISO 178 DIN EN ISO 178 EN ISO 604 DIN EN ISO 179-1eU DIN EN ISO 868 NOTT DIN EN ISO 11357 DIN EN ISO 11357 2) DIN EN ISO 11357 DIN EN ISO 11357 2)	(1) For tensile test: specimen type 1b (2) For flexural test: support span 64mm, norm specimen (3) Specimen 10x10x10mm (4) Specimen 10x10x50mm, modulus range between 0.5 and 1% compression. (5) For Charpy test: support span 64mm, norm specimen comment (1) Found in public sources. (2) Found in public sources. Individual testing regarding application conditions is mandatory.
DIN EN ISO 527-2 DIN EN ISO 527-2 DIN EN ISO 527-2 DIN EN ISO 527-2 DIN EN ISO 178 DIN EN ISO 178 EN ISO 604 DIN EN ISO 179-1eU DIN EN ISO 868 NOTT DIN EN ISO 11357 DIN EN ISO 11357 2)	(2) For flexural test: support span 64mm, norm specimen (3) Specimen 10x10x10mm (4) Specimen 10x10x50mm, modulus range between 0.5 and 1% compression. (5) For Charpy test: support span 64mm, norm specimen (1) Found in public sources. (2) Found in public sources. Individual testing regarding application conditions is
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n) ISO 22007-4:2008	
norm	comment
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DIN EN ISO 62 1)	(1) Ø ca. 50mm, h=13mm
- 2)	(2) + good resistance (3) - poor resistance
- 3)	(c) poor reciotaries
DIN IEC 60605 11 10: 4\	
n	n - norm DIN EN ISO 62 1) - 2) - 3)

[→] TECAPEEK products are based on Victrex® PEEK polymer.

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Manufactured by: Ensinger Group, a German based plastic manufacturer

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