

PET-G

Product Datasheet



Engineering Plastic

Service. Quality. Value.

High dimensional stability

Our PET-G engineering plastics are food and 3A dairy approved

PET-G (polyethylene terephthalate glycol) is a thermoplastic polyester used in a variety of engineering applications. The material offers very high dimensional stability combined with a very low moisture uptake (0.25%). With superior radiation resistance, PET-G offers improved acid resistance when compared to acetal or nylon. The creep resistance of the material is also very good. PET-G is food, and 3A dairy approved and finds use in a broad range of applications including electronics, manifolds and conveyor tracks.

We have the capability to supply PET-G in rod and plate.



Key Features

- Very high dimensional stability
- Very low moisture uptake
- Good radiation resistance
- Improved acid resistance

Applications

- Electronics
- Manifolds, conveyor tracks
- Gamma & X-ray equipment
- Hamburger moulds and biscuit dies

Typical Properties

	Units	ASTM Test	PETG
Tensile strength	psi	D638	7,700
Flexural modulus	psi	D790	310,000
Izod impact (notched)	ft-lbs/in of notch	D256	1.7
Heat deflection temperature @ 264 psi	°F	D648	157
Maximum continuous service temperature in air	°F	-	
Water absorption (immersion 24 hours)	%	D570	0.20
Coefficient of linear thermal expansion	in/in/°Fx10-5	D696	3.8

UK Service Centres:

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Quality & Testing:



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