PEI

Ultem® DTM9120-1

SABIC

Position #114 • Jinsutong Reference Catalog 2026

Resin Overview

PEI · Healthcare, Black, FR. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	SABIC
Category	PEI · Healthcare, Black, FR
Typical Use	FR black PEI for medical and industrial

Key Properties

Density	1.30 g/cm³
MVR (360°C/5 kg)	10 cm³/10min
Tensile Strength at Yield	110 MPa
Tensile Modulus	3500 MPa
Elongation at Break	5%
HDT (1.8 MPa)	210 °C
UL 94 Rating	V-0 @ 1.5mm
Color	Black

Key Features

- FR V-0 flame retardant
- Black pre-compounded
- High Tg (217°C) for high-heat use
- SABIC quality

Processing Conditions

Melt Temperature	350-380 °C

Mold Temperature	150-180 °C
Drying	4 h @ 150 °C in desiccant dryer
Processing Methods	Injection molding

Typical Applications

- FR medical housings
- Black high-temp parts
- Aerospace structural
- Premium IT structural

Regulatory & Compliance

- UL 94 V-0 listed
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

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