Material properties

Thermoplastic slot wedges

Characteristics

- Thermoplastic polyphenylene sulfide
- Individual contours
- Homogenous filler distribution
- Variable filler content
- Magnetic permeability
- Continuous process

Benefits

- High strength under pressure
- Electrically insulating
- Moldable with thermosets
- Variable length
- Thermoformable
- Resistance to a wide range of chemicals

PPS IO

Physical Data	Test Standard	Metric-units
Density	ISO 1183	2.5 g/cm³
Mechanical		
Tensile modulus	ISO 527-2	9100 MPa
Tensile stress (Break, 23 °C)	ISO 527	38.0 MPa
Tensile elongation (Break)	ISO 527	0.70 to 1,0 %
Flexural modulus (23 °C)	ISO 178	8900 MPa
Flexural stress (23 °C)	ISO 178	70.0 MPa
Impact		
Charpy notched impact strength	ISO 179	1.5 to 3.0 kJ/m²
Charpy unnotched impact strength	ISO 179	6.0 kJ/m²
Thermal		
Thermal conductivity	No Standard	0.70 to 0.90 W/mK
Long-term heat resistance	No Standard	185 °C
Flammability		
Flame rating (1.6 mm)	UL 94	V-0
Electrical		
Volume resistivity	IEC 60093	1 E +11
Permeability	No Standard	Up to 10 (1 MHz)

Technoform Kunststoffprofile GmbH
Otto-Hahn-Straße 34
34253 Lohfelden
Germany

T +49 561 95839-00
F +49 561 95839-21
E info.tkpde@technoform.com

I www.technoform.com