

Technoter A-GF 30-HS

A 30% glass fiber, thermostabilized polybutylene terephthalate.

Designed for injection moulding and extrusion of various items and parts for construction, electrical tools, machine engineering, radio engineering and handles in gas device systems.

Available in natural and black colors.

Properties	Test method	Unit	Typical value
MISCELLANEOUS			
Density	ISO 1183	kg/m ³	1530
Tensile Strength	ISO 527-1	MPa	140
Strain at Break	ISO 527-1	%	4
Flexural Stress at maximum load	ISO 178	MPa	190
Tensile Modulus	ISO 178	MPa	8700
Charpy Impact Strength at +23°C (un-notched)	ISO 179-1	kJ/m ²	40
Charpy Impact Strength at -40°C (un-notched)	ISO 179-1	kJ/m ²	35
Charpy Impact Strength at +23°C (notched)	ISO 179-1	kJ/m ²	10
Charpy Impact Strength at -40°C (un-notched)	ISO 179-1	kJ/m ²	8
THERMAL			
Melting Point	ISO 11357	°C	222
Deflection Temperature at 0.45 MPa load	ISO 75	°C	210
Deflection Temperature at 1.8 MPa load	ISO 75	°C	200
Coefficient of linear thermal expansion	ISO 11359-2	(10 ⁻⁵)K ⁻¹	0.3
PROCESSING			
Melt Flow Rate (250 °C; 2,16 kg)	ISO 1133	g/10 min	10-20
Melt Temperature		°C	260
Mold Temperature		°C	90
Moulding Shrinkage, parallel	ISO 294-4	%	0.1-0.3
Moulding Shrinkage, normal	ISO 294-4	%	0.8-1.1
ELECTROPHYSICAL			
Electrical strength	IEC 60243	kV/mm	25
Specific volume resistivity	IEC 60093	Ω·m	1E14

Comment:

All processing parameters as well as information on shrinkage specimen should be requested from the manufacturer.

If stored in a dry warehouse – dehydration not required

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