

ARNITE TF (PET + TF)

Colour: Light gray (Gris Claro)

TECHNICAL PROPERTIES OF ARNITE TF (PET + TF)

MECHANICAL PROPERTIES			
	Unit	Test method	
Tensile strength at break	MPa	ISO 527	75
Elongation at break	%	ISO 527	5
Modulus of elasticity in tension	MPa	ISO 527	3230
Charpy impact strength (+23°C)	kJ/m ²	ISO 179/IeU	23
Charpy impact strength (notched)	kJ/m ²	ISO 179/IeA	10
Hardness Shore, scale D		ISO 868	81
THERMAL PROPERTIES			
	Unit	Test method	
Maximun service temperature for few hours operation	°C		160
TEP 5000 hours (50% of tensile strength) ¹⁾	°C	IEC 210	115
TEP 20.000 hours (50% of tensile strength) ¹⁾	°C	IEC 210	100
Thermal coefficient of linear expansion	1/K.10 ⁻⁵	DIN 53752	6
MISCELLANEOUS PROPERTIES			
	Unit	Test method	
Mass density (Method D. E.)	g/cm ³	ISO 1183	1.38
Moisture absorption at 23 °C 50% RH - Saturation	%	ISO 1110	~ 0.23
Water absorption at 23 °C - Saturation	%	ISO 62	~ 0.5
Fire performance	Flammability according UL Standard (thickness of specimen 1,6 mm.)	UL94	HB
Resistance to wear	µm/km	ISO 7148-2	1.1

- ¹⁾ Data of the resin only