

## MATERIAL DATA SHEET

Material type: ZTA

### AZ211T

#### Properties of Microstructure

Bulk Density	JIS C-2141	g/cm <sup>3</sup>	4.01
Water Absorption	JIS C-2141	%	0.1

#### Mechanical Properties

Flexural strength	JIS C-2141	MPa	650
Modulus of Elasticity	JIS C-2141	GPa	345

#### Thermal Properties

Thermal Conductivity	JIS C-2141	W/mK	24
Expansion coefficient 40-400°C	JIS C-2141	10 <sup>-6</sup> /K	7.2

#### Electrical Properties

Dielectric strength	JIS C-2141	V/m	1.6 x 10 <sup>7</sup>
Dielectric constant (1 MHz)			10.8
Dielectric Loss Angle (1 MHz)		10 <sup>-4</sup>	3
Typical Colour			white

The values are typical material properties and may vary according to products configuration and manufacturing process.