

# ZENITE® SEA10B

Zenite® SEA 10B is a 30% mineral filled grade. It offers thermal conductivity, excellent mechanical strength, surface appearance, low warpage, and excellent dimensional stability. Application for this grade is for a part with thin wall design in automotive and electronics.

## Rheological properties

Moulding shrinkage, parallel	0.1 %	ISO 294-4, 2577
Moulding shrinkage range, parallel	0.1 %	ISO 294-4, 2577
Moulding shrinkage, normal	0.6 %	ISO 294-4, 2577
Moulding shrinkage range, normal	0.6 %	ISO 294-4, 2577

## Typical mechanical properties

	dry/cond.		
Tensile Modulus	14000	/-	MPa
Stress at break, 5mm/min	143	/-	MPa
Strain at break, 5mm/min	2.7	/-	%
Flexural Modulus	13000	/-	MPa
Flexural Strength	160	/-	MPa
Charpy impact strength, 23°C	29	/-	kJ/m²
Charpy notched impact strength, 23°C	10	/-	kJ/m²

## Thermal properties

Temp. of deflection under load, 1.8 MPa	240	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	8	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	60	E-6/K	ISO 11359-1/-2

## Electrical properties

	dry/cond.		
Relative permittivity, 1MHz	3.63	/-	IEC 62631-2-1
Dissipation factor, 1MHz	0.028	/-	IEC 62631-2-1
Volume resistivity	>1E13	/-	IEC 62631-3-1
Surface resistivity	>1E14	/-	IEC 62631-3-2
Electric strength	30	/-	IEC 60243-1

## Other properties

Humidity absorption, 2mm	0.03	%	Sim. to ISO 62
Density	1640	kg/m³	ISO 1183

## Injection

Drying Temperature	150	°C
Drying Time, Dehumidified Dryer	6	h
Processing Moisture Content	0.01	%
Max. mould temperature	80 - 140	°C
Injection speed	medium-fast	



# ZENITE® SEA10B

## Characteristics

Additives

Mineral Filler

