Celanese
The chemistry inside innovation™

ZENITE® SEA 60B

Zenite® SEA 60B is thermally conductive and electrically insulative

Rheological properties

Moulding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Moulding shrinkage range, parallel	0.1	%	ISO 294-4, 2577
Moulding shrinkage, normal	0.3	%	ISO 294-4, 2577
Moulding shrinkage range, normal	0.3	%	ISO 294-4, 2577

Typical mechanical properties

Tensile Modulus	10000	MPa	ISO 527-1/-2
Stress at break, 5mm/min	82	MPa	ISO 527-1/-2
Strain at break, 5mm/min	2.1	%	ISO 527-1/-2
Flexural Modulus	10000	MPa	ISO 178
Flexural Strength	109	MPa	ISO 178
Charpy impact strength, 23°C	13	kJ/m²	ISO 179/1eU

Thermal properties

Temp. of deflection under load, 1.8 MPa	261	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	11	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	22	E-6/K	ISO 11359-1/-2

Electrical properties

Volume resistivity	>1E13	Ohm.m	IEC 62631-3-1
Surface resistivity	>1E14	Ohm	IEC 62631-3-2
Electric strength	41	kV/mm	IEC 60243-1
Comparative tracking index	Group IIIa		IEC 60112

Other properties

Density	1700	kg/m³	ISO 1183

Injection

Drying Temperature	150	°C
Drying Time, Dehumidified Dryer	6	h
Max. mould temperature	80 - 130	°C

Processing Texts

Pre-drying	Please allow time for resin to reach drying temperature. Insure filter element is clean and there is sufficient air flow (>1 ft/sec. space velocity) across surface of pellets. Extended drying at 300°F (150°C) up to 24 hours will not harm resin. Hopper dryers with dual desiccant cartridges (one active while the other is regenerating) are highly recommended.

Printed: 2023-09-22