ZENITE® 17311 EFT | LCP | Mineral / Glass Reinforced

Description

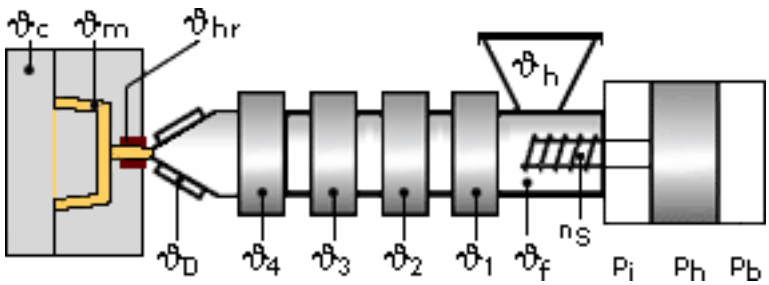
ZENITE® 17311 EFT is a 35% glass and mineral reinforced grade. This grade offers excellent flowability, low warpage, excellent surface appearance, and excellent dimensional stability. Application for this grade is fine pitch connector with thin wall.

Mechanical properties	Value	Unit	Test Standard
Tensile modulus (1mm/min)	**11000**	MPa	ISO 527-2/1A
Tensile stress at break (5mm/min)	**110**	MPa	ISO 527-2/1A
Tensile strain at break (5mm/min)	**2**	%	ISO 527-2/1A
Flexural modulus (23°C)	**11000**	MPa	ISO 178
Flexural strength (23°C)	**160**	MPa	ISO 178
Flexural strain @ break	**2.4**	%	ISO 178
Charpy notched impact strength @ 23°C	**5.0**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
Melting temperature (10°C/min)	**346**	°C	ISO 11357-1,-2,-3
DTUL @ 1.8 MPa	**298**	°C	ISO 75-1/-2

Electrical properties	Value	Unit	Test Standard
Relative permittivity at 2.05 GHz	**4.18**	-	IPC TM-650 2.5.5.13
Dissipation factor at 2.05 GHz	**4**	E-4	IPC TM-650 2.5.5.13

Typical injection moulding processing conditions



Pre Drying:

Necessary low maximum residual moisture content: 0.01%

Drying time: 3 h

Drying temperature: 150 - - °C

Temperature:

	ϑMold	ϑMelt	ϑNozzle	ϑZone4	ϑZone3	ϑZone2	ϑZone1	ϑFeed	ϑHopper
min (°C)	80	360	355	355	345	340	330	40	20
max (°C)	120	370	370	370	365	360	350	60	30

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Pressure:

	Inj press	Hold press	Back pressure
min (bar)	500	500	0
max (bar)	1500	1500	30

Contact Information

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