

KEPITAL® FT2020

A 20% whisker filled grade for general injection molding

KEPITAL® FT2020 is a 20% whisker filled grade for general injection molding. Suitable for parts parts requiring much higher stiffness, dimensional accuracy, and low warpage.

Rheological properties

Moulding shrinkage range, parallel	0.9 %	ISO 294-4, 2577
------------------------------------	-------	-----------------

Typical mechanical properties

Stress at break, 5mm/min	86 MPa	ISO 527-1/-2
Nominal strain at break	2.7 %	ISO 527-1/-2
Flexural Modulus	4800 MPa	ISO 178
Flexural Strength	146 MPa	ISO 178
Charpy notched impact strength, 23°C	3.6 kJ/m ²	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	165 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	152 °C	ISO 75-1/-2

Other properties

Humidity absorption, 2mm	0.23 %	Sim. to ISO 62
Density	1590 kg/m ³	ISO 1183

Characteristics

Additives	Mineral Filler
-----------	----------------