

KEPITAL® TC3020

20% talcum-filled grade

KEPITAL® TC3020 is a Polyoxymethylene (POM) grade reinforced with 20% talcum. Offers excellent thermal stability and stronger resistance to alkalis than acetal homopolymer. Possesses wide range of working temperature and high tolerance to organic chemicals. Exhibits fatigue-, creep resistance and better flow enabling high speed production. Shows resistance to friction and wear. Is suitable for processing by injection molding. Used in electrical & electronics, automotive and industrial parts. Recommended for parts requiring dimensional stability and low stress deformation.

Rheological properties

Moulding shrinkage range, parallel	1.4 %	ISO 294-4, 2577
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Typical mechanical properties

Stress at break, 5mm/min	67 MPa	ISO 527-1/-2
Nominal strain at break	5.6 %	ISO 527-1/-2
Flexural Modulus	5290 MPa	ISO 178
Flexural Strength	112 MPa	ISO 178
Charpy notched impact strength, 23 °C	3.8 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.366	

Thermal properties

Melting temperature, 10 °C/min	165 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	122 °C	ISO 75-1/-2

Other properties

Humidity absorption, 2mm	0.2 %	Sim. to ISO 62
Density	1560 kg/m ³	ISO 1183

Characteristics

Additives	Mineral Filler
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