

Product Texts

SABITAL™ 90GV20 is POM copolymer compounded with glass fibers for injection molding applications, it is reinforced with ca. 20% glass fibers for application requiring high stiffness, strength and thermal property.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	7000	MPa	ISO 527
Strain at break	2.5	%	ISO 527
Flexural modulus, 23°C	6500	MPa	ISO 178
Charpy impact strength, +23°C	6.7	kJ/m ²	ISO 179/1eU

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	166	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	158	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	50	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	120	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Density	1570	kg/m ³	ISO 1183

Characteristics

Processing

Injection Molding

Features

Copolymer