TECACOMP® PA66 GF30 TF15 HI black 3366

(PA66+PTFE)-GF30 Ensinger Compounds

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**38**	cm³/10min	ISO 1133
Temperature	**280**	°C	-
Load	**5**	kg	-
Melt flow index, MFI	**50**	g/10min	ISO 1133
Temperature	**280**	°C	-
Load	**5**	kg	-
Molding shrinkage, parallel	**0.3**	%	ISO 294-4, 2577
Molding shrinkage, normal	**1.0**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**10000**	MPa	ISO 527
Tensile Strength	**160**	MPa	ISO 527
Strain at break	**2.5**	%	ISO 527
Charpy impact strength, +23°C	**50**	kJ/m²	ISO 179/1eU

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**260**	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	**72**	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	**255**	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	**1480**	kg/m³	ISO 1183
Bulk density	**690**	kg/m³	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**4 - 8**	h	-
Processing humidity	**≤0.1**	%	-
Melt temperature	**290 - 310**	°C	-
Mold temperature	**90 - 150**	°C	-
Zone 1	**260 - 310**	°C	-

Characteristics

Processing
Injection Molding

Delivery form
Pellets, Black

Additives
Lubricants

Special Characteristics
Heat stabilized or stable to heat

Applications
Automotive, IT / Business Machine

Regional Availability
North America, Europe, Asia Pacific, South and Central America