TECACOMP® PA66 CF30 black 3519

PA66-CF30 Ensinger Compounds

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.2**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.7**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**21000**	MPa	ISO 527
Tensile Strength	**265**	MPa	ISO 527
Strain at break	**2**	%	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	**259**	°C	ISO 75-1/-2

Electrical properties	Value	Unit	Test Standard
Other Standards[S]			
Surface resistivity	**1000**	Ohm	IEC 61340-2-3

S: These properties are reported by the producer according standards that are different to our defaults.

Other properties	Value	Unit	Test Standard
Density	**1270**	kg/m³	ISO 1183

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 - 300**	°C	-
Mold temperature	**80 - 120**	°C	-
Zone 1	**280 - 300**	°C	-

Characteristics

Processing
Injection Molding

Applications
Automotive, IT / Business Machine

Delivery form
Pellets, Black

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

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