TECHNYL C 216 V30 GY G1836 CF

PA6-GF30 DOMO Engineering Plastics

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
[C] Molding shrinkage, parallel	**0.4 / ***	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**0.9 / ***	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**9500 / 6000**	MPa	ISO 527
[C] Stress at break	**180 / 110**	MPa	ISO 527
[C] Strain at break	**3.5 / 6**	%	ISO 527
Flexural modulus, 23°C	**8500 / 500**	MPa	ISO 178
Flexural strength	**270 / 160**	MPa	ISO 178
[C] Charpy impact strength, +23°C	**90 / 105**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**75 / 90**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**15 / 25**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**9 / 22**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Melting temperature, 10°C/min	**221 / ***	°C	ISO 11357-1/-3
[C] Temp. of deflection under load, 1.80 MPa	**215 / ***	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**220 / ***	°C	ISO 75-1/-2
[C] Burning Behav. at thickness h	**HB / ***	class	IEC 60695-11-10
Thickness tested	**0.8 / ***	mm	-

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Volume resistivity	**1E13 / -**	Ohm*m	IEC 62631-3-1
[C] Surface resistivity	*** / 1E13**	Ohm	IEC 62631-3-2
[C] Comparative tracking index	**500 / -**	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Density	**1360 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding