TECHNYL C 219 V30 BK

PA6-GF30 DOMO Engineering Plastics

Product Texts

Polyamide 6, 30% glass fiber reinforced, organic heat stabilized, electro-friendly, for injection molding, black

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
[C] Molding shrinkage, parallel	**0.2 / ***	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**0.8 / ***	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**10000 / 6200**	MPa	ISO 527
[C] Stress at break	**180 / 115**	MPa	ISO 527
[C] Strain at break	**3.5 / 8.1**	%	ISO 527
Flexural modulus, 23°C	**8000 / 5000**	MPa	ISO 178
Flexural strength	**280 / 180**	MPa	ISO 178
[C] Charpy impact strength, +23°C	**80 / 95**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**65 / 65**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**12 / 19**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**9.5 / 9**	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	**210 / ***	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**215 / ***	°C	ISO 75-1/-2
[C] Burning Behav. at thickness h	**HB / ***	class	IEC 60695-11-10
Thickness tested	**0.8 / ***	mm	-

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Density	**1360 / -**	kg/m³	ISO 1183
Bulk density	**650**	kg/m³	-

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Special Characteristics
Heat stabilized or stable to heat

Delivery form
Black

Applications
Electrical and Electronical