TECHNYL C 246SI V30 BK

PA6-I-GF30 DOMO Engineering Plastics

Product Texts

Polyamide 6, 30% glass fiber reinforced, low temperature impact modified, for injection moulding, 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	**0.6 / ***	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**9000 / 5300**	MPa	ISO 527
[C] Stress at break	**150 / 110**	MPa	ISO 527
[C] Strain at break	**4 / 10**	%	ISO 527
Flexural modulus, 23°C	**7000 / 4400**	MPa	ISO 178
Flexural strength	**255 / 150**	MPa	ISO 178
[C] Charpy impact strength, +23°C	**90 / 105**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**95 / 95**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**20 / 30**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**12 / 13**	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	**205 / ***	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**210 / ***	°C	ISO 75-1/-2

[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]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Density	**1340 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Special Characteristics

High impact or impact modified

Delivery form

Black