TECHNYL C 246SI V40 NC

PA6-I-GF40 DOMO Engineering Plastics

Product Texts

Polyamide 6, 40% glass fiber reinforced, low temperature impact modified, for injection moulding, natural color

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
[C] Molding shrinkage, parallel	**0.5 / ***	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**1.0 / ***	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**12000 / 7000**	MPa	ISO 527
[C] Stress at break	**180 / 125**	MPa	ISO 527
[C] Strain at break	**5 / 9.5**	%	ISO 527
Flexural modulus, 23°C	**10000 / 6500**	MPa	ISO 178
[C] Charpy impact strength, +23°C	**110 / 125**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**105 / 100**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**28 / 35**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**17 / 17**	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	**200 / ***	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**216 / ***	°C	ISO 75-1/-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Density	**1430 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Material specific properties	dry / cond	Unit	Test Standard
ISO Data			
Viscosity number	**145 / ***	cm³/g	ISO 307, 1157, 1628

Characteristics

Processing

Injection Molding

Special Characteristics

High impact or impact modified

Delivery form

Natural Color