TECHNYL STAR S 218 V60 BK 21N

PA6-GF60 DOMO Engineering Plastics

Product Texts

Polyamide 6, 60% glass fiber reinforced, heat-aging stabilized, improved flowability, 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	**0.5 / ***	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**21900 / 15200**	MPa	ISO 527
Flexural modulus, 23°C	**18000 / 12200**	MPa	ISO 178
Flexural strength	**385 / 260**	MPa	ISO 178
[C] Charpy impact strength, +23°C	**99.7 / 100**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**101 / 103**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**18.5 / 22.6**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**17.1 / 19.7**	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	**220 / ***	°C	ISO 75-1/-2
[C] Vicat softening temperature, B	**210 / ***	°C	ISO 306

[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	**1730 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Black