TECHNYL STAR AFX 218 V50 BK 31N

PA66-GF50 DOMO Engineering Plastics

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
[C] Molding shrinkage, parallel	**0.3 / ***	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**0.7 / ***	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**17000 / 12500**	MPa	ISO 527
[C] Stress at break	**255 / 180**	MPa	ISO 527
[C] Strain at break	**2.5 / 3.5**	%	ISO 527
Flexural modulus, 23°C	**14000 / -**	MPa	ISO 178
Flexural strength	**380 / -**	MPa	ISO 178
[C] Charpy impact strength, +23°C	**100 / 100**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**15 / 21**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Melting temperature, 10°C/min	**262 / ***	°C	ISO 11357-1/-3
[C] Temp. of deflection under load, 1.80 MPa	**256 / ***	°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	**1550 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Special Characteristics
Heat stabilized or stable to heat

Delivery form
Black

Applications
Automotive