TECHNYL PURE D 219E1CR V33 BK

(PA66+PA610)-GF33 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	**1.0 / ***	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**11300 / 8400**	MPa	ISO 527
[C] Stress at break	**200 / 140**	MPa	ISO 527
[C] Strain at break	**2.9 / 5**	%	ISO 527
Flexural modulus, 23°C	**9870 / -**	MPa	ISO 178
Flexural strength	**234 / -**	MPa	ISO 178
[C] Charpy impact strength, +23°C	**85 / 85**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**80 / -**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**14 / 16**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**10 / -**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Melting temperature, 10°C/min	**260 / ***	°C	ISO 11357-1/-3
[C] Temp. of deflection under load, 1.80 MPa	**216 / ***	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**225 / ***	°C	ISO 75-1/-2
[C] Burning Behav. at thickness h	**HB / ***	class	IEC 60695-11-10
Thickness tested	**0.8 / ***	mm	-

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Volume resistivity	**1E13 / -**	Ohm*m	IEC 62631-3-1
[C] Electric strength	**22 / -**	kV/mm	IEC 60243-1
[C] Comparative tracking index	**675 / -**	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Density	**1350 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Delivery form
Black

Special Characteristics
Heat stabilized or stable to heat

Features
Laser Markable

Chemical Resistance
General Chemical Resistance, Hydrolytically Stable

Certifications
Contains renewable resources

Applications
Automotive