TECHNYL A 236SI V12 BK

PA66-I-GF12 DOMO Engineering Plastics

Product Texts

Polyamide 66, 12% glass fiber reinforced, low temperature impact modified, for injection moulding

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
[C] Molding shrinkage, parallel	**0.6 / ***	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**1.1 / ***	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**4100 / -**	MPa	ISO 527
[C] Stress at break	**100 / -**	MPa	ISO 527
[C] Strain at break	**4 / -**	%	ISO 527
Flexural modulus, 23°C	**3500 / -**	MPa	ISO 178
Flexural strength	**135 / -**	MPa	ISO 178
[C] Charpy impact strength, +23°C	**65 / -**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**11 / -**	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	**230 / ***	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**245 / ***	°C	ISO 75-1/-2
[C] Vicat softening temperature, B	**245 / ***	°C	ISO 306
[C] Burning Behav. at thickness h	**HB / ***	class	IEC 60695-11-10
Thickness tested	**0.8 / ***	mm	-
Yellow Card available	**yes / ***	-	-

[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] Comparative tracking index	**400 / -**	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Density	**1170 / -**	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

Delivery form

Black

Special Characteristics

High impact or impact modified

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