Novamid® 1017GH33 BK701

PA6-GF33 Envalior

Product Texts

33% Glass Reinforced, Heat Stabilized, Injection Molding

ISO 1043 PA6-GF33

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**3 / ***	cm³/10min	ISO 1133
Temperature	**230 / ***	°C	-
Load	**5 / ***	kg	-
Melt flow index, MFI	**4**	g/10min	ISO 1133
Temperature	**230**	°C	-
Load	**5**	kg	-
[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	**10200 / 6200**	MPa	ISO 527
[C] Stress at break	**175 / 120**	MPa	ISO 527
[C] Strain at break	**2.9 / 5**	%	ISO 527
Flexural modulus, 23°C	**9200 / 5700**	MPa	ISO 178
[C] Charpy impact strength, +23°C	**83 / 90**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**14 / 26**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Melting temperature, 10°C/min	**220 / ***	°C	ISO 11357-1/-3
[C] Temp. of deflection under load, 1.80 MPa	**204 / ***	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**220 / ***	°C	ISO 75-1/-2
[C] Coeff. of linear therm. expansion, parallel	**20 / ***	E-6/K	ISO 11359-1/-2
[C] Coeff. of linear therm. expansion, normal	**60 / ***	E-6/K	ISO 11359-1/-2
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] Humidity absorption	**1.9 / ***	%	Sim. to ISO 62
[C] Density	**1380 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Special Characteristics
Heat stabilized or stable to heat

Delivery form
Pellets, Black

Regional Availability
North America, Europe, Asia Pacific

Additives
Release agent

Other text information

Injection molding
Injection Molding Recommendations

Steel recommendations for molds screws and barrels
Trouble shooting guideline for injection molding