

Akulon® Diablo HT-HG0

(PA66+PA6)-GF50

Envalior

Product Texts

50% Glass Reinforced, Heat Stabilized

ISO 1043 (PA66+PA6)-GF50

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	16500 / 10000	MPa	ISO 527
^[C] Stress at break	235 / 145	MPa	ISO 527
^[C] Strain at break	2.8 / 4.6	%	ISO 527
^[C] Charpy impact strength, +23°C	95 / 100	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	80 / 90	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	15.5 / 25	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	14 / 16	kJ/m ²	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	245 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	255 / *	°C	ISO 75-1/-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	4.8 / *	%	Sim. to ISO 62
^[C] Humidity absorption	1.7 / *	%	Sim. to ISO 62
^[C] Density	1580 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Additives

Release agent

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

North America

Other text information**Injection molding**[Injection Molding Recommendations](#)[Steel recommendations for molds screws and barrels](#)[Trouble shooting guideline for injection molding](#)