



This datasheet of **Akulon® Diablo HT-HG0** from **Envalior** is provided by the international plastics database **CAMPUS**.

## Akulon® Diablo HT-HG0 | (PA66+PA6)-GF50 | Envalior

### Product Texts

50% Glass Reinforced, Heat Stabilized

ISO 1043 (PA66+PA6)-GF50

### Rheological properties

	dry / cond	Unit
Molding shrinkage, parallel	0.3 / *	%
Molding shrinkage, normal	1.0 / *	%

### Mechanical properties

	dry / cond	Unit
Tensile modulus	16500 / 10000	MPa
Stress at break	235 / 145	MPa
Strain at break	2.8 / 4.6	%
Charpy impact strength, +23°C	95 / 100	kJ/m <sup>2</sup>
Charpy impact strength, -30°C	80 / 90	kJ/m <sup>2</sup>
Charpy notched impact strength, +23°C	15.5 / 25	kJ/m <sup>2</sup>
Charpy notched impact strength, -30°C	14 / 16	kJ/m <sup>2</sup>

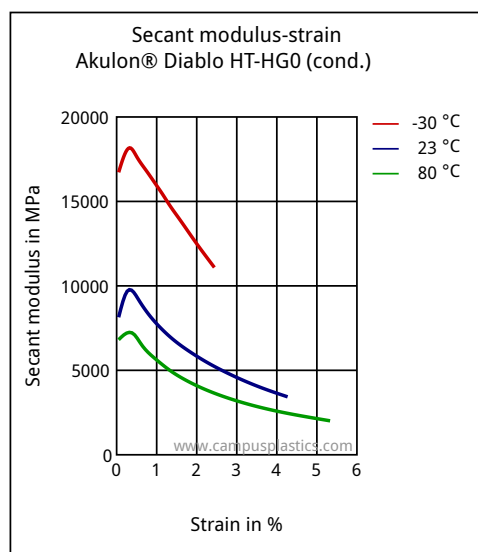
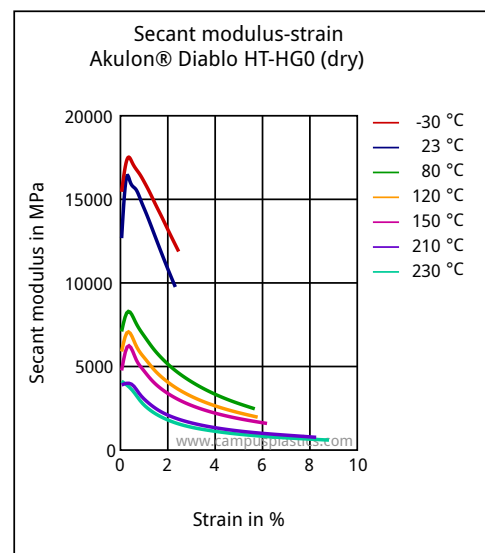
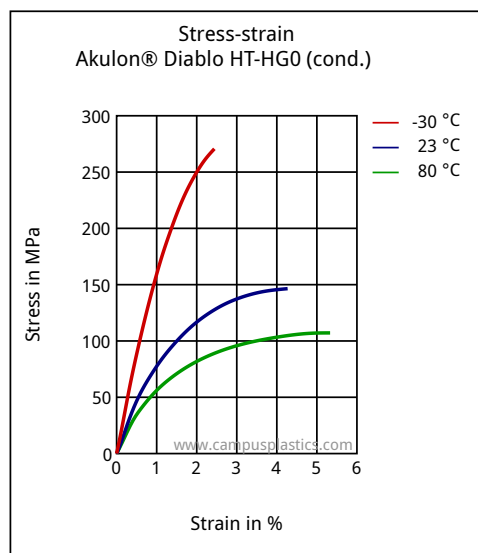
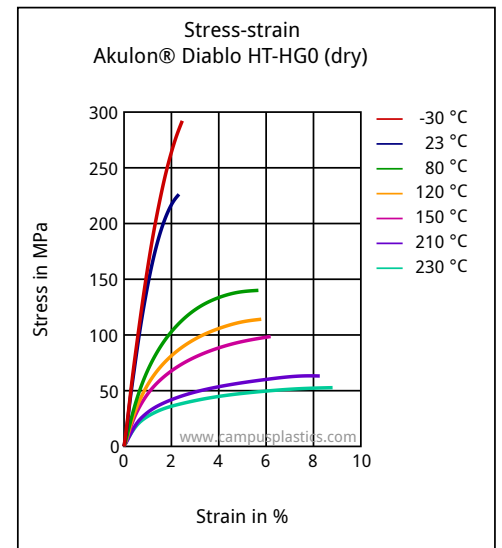
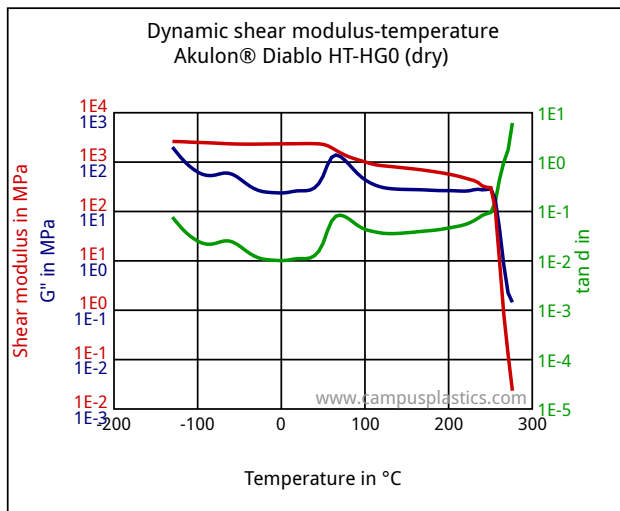
### Thermal properties

	dry / cond	Unit
Melting temperature, 10°C/min	260 / *	°C
Temp. of deflection under load, 1.80 MPa	245 / *	°C
Temp. of deflection under load, 0.45 MPa	255 / *	°C

### Other properties

	dry / cond	Unit
Water absorption	4.8 / *	%
Humidity absorption	1.7 / *	%
Density	1580 / -	kg/m <sup>3</sup>

### Diagrams



## Characteristics

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Injection Molding

## **Delivery form**

Pellets

## **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

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