This datasheet of **Akulon® Diablo HDT2500** from **Envalior** is provided by the international plastics database **CAMPUS**.

Akulon® Diablo HDT2500 | (PA66+PA6)-GF35 | Envalior

Product Texts

35% Glass Reinforced, Heat Stabilized

ISO 1043 (PA66+PA6)-GF35

Rheological properties	dry / cond	Unit
Molding shrinkage, parallel	**0.3 / ***	%
Molding shrinkage, normal	**0.9 / ***	%

Mechanical properties	dry / cond	Unit
Tensile modulus	**11000 / 6500**	MPa
Stress at break	**195 / 115**	MPa
Strain at break	**3.2 / 7**	%
Charpy impact strength, +23°C	**80 / 85**	kJ/m²
Charpy impact strength, -30°C	**60 / 60**	kJ/m²
Charpy notched impact strength, +23°C	**11 / 16**	kJ/m²
Charpy notched impact strength, -30°C	**9 / 9**	kJ/m²

Thermal properties	dry / cond	Unit
Melting temperature, 10°C/min	**260 / ***	°C
Temp. of deflection under load, 1.80 MPa	**240 / ***	°C
Temp. of deflection under load, 0.45 MPa	**258 / ***	°C
Coeff. of linear therm. expansion, parallel	**40 / ***	E-6/K
Coeff. of linear therm. expansion, normal	**50 / ***	E-6/K

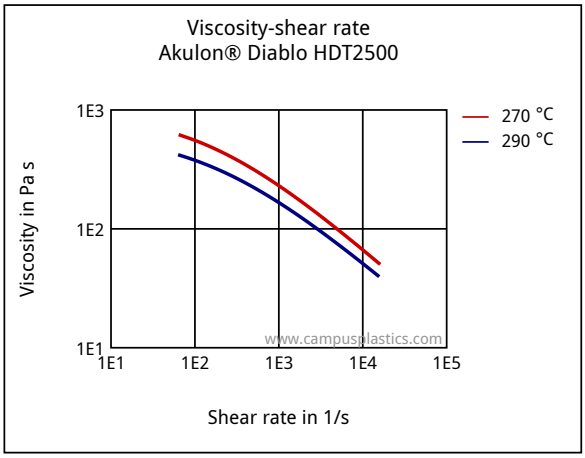
Other properties	dry / cond	Unit
Water absorption	**5 / ***	%
Humidity absorption	**2.1 / ***	%
Density	**1410 / -**	kg/m³

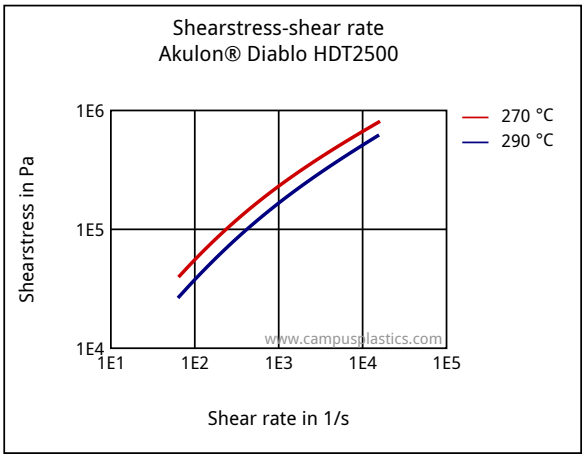
Material specific properties	dry / cond	Unit

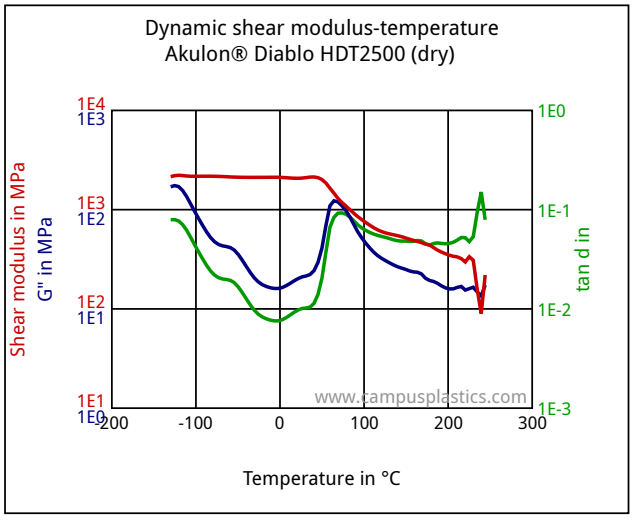
Viscosity number	**135 / ***	cm³/g

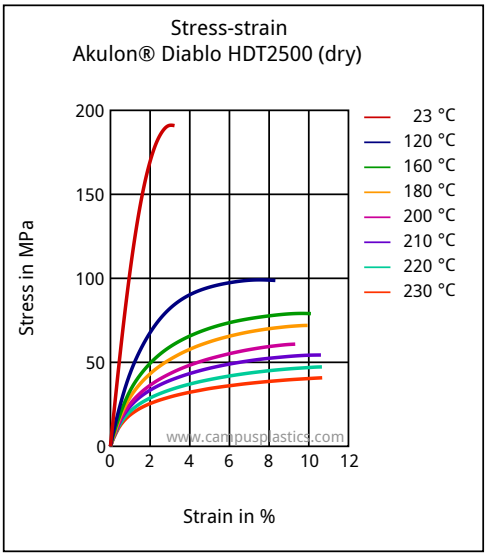
Rheological calculation properties	**Value**	**Unit**
Density of melt	**1220**	kg/m³
Thermal conductivity of melt	**0.27**	W/(m K)
Spec. heat capacity melt	**2060**	J/(kg K)

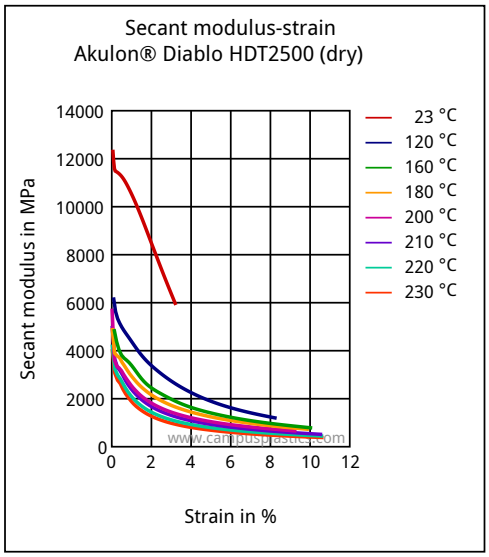
Diagrams











Characteristics

Processing
Injection Molding
Delivery form
Pellets
Special Characteristics
Heat stabilized or stable to heat
Regional Availability
North America, Europe, Asia Pacific

Other text information

Injection molding

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

Chemical Media Resistance

Alcohols

Methanol (23°C)

Ethanol (23°C)

Hydrocarbons

Toluene (23°C)

Ketones

Acetone (23°C)

Ethers

Diethyl ether (23°C)

Other

Ethyl Acetate (23°C)

Water (23°C)