

**PENTAMID AHT GV30 H TF15 black**

(PA46+PA66+PTFE)-GF30

Pentac Polymer GmbH

<b>Processing/Physical Characteristics</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	0.6 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8 / *	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	8600 / 5700	MPa	ISO 527
Stress at break	150 / 100	MPa	ISO 527
Strain at break	3 / 6	%	ISO 527
Charpy impact strength, +23°C	48 / 65	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	8 / 12	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	285 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	265 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	280 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-
<b>Other properties</b>			
<b>ISO Data</b>			
Water absorption	6.2 / *	%	Sim. to ISO 62
Humidity absorption	1.4 / *	%	Sim. to ISO 62
Density	1510 / -	kg/m <sup>3</sup>	ISO 1183
<b>Film Properties</b>			
<b>ISO Data</b>			
Dynamic coefficient of friction	0.26 / *	-	ISO 8295
<b>Material specific properties</b>			
<b>ISO Data</b>			
Viscosity number	140 / *	cm <sup>3</sup> /g	ISO 307, 1157, 1628
<b>Processing Recommendation Injection Molding</b>			
<b>ISO Data</b>			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 12	h	-
Processing humidity	≤0.09	%	-
Mold temperature	80 - 120	°C	-
Feed temperature	80	°C	-
Zone 1	295	°C	-
Zone 2	305	°C	-
Zone 3	310	°C	-
Zone 4	315	°C	-
Zone 5	310	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets, Black

**Additives**

Lubricants

**Special Characteristics**

Heat stabilized or stable to heat

**Certifications**

RoHS compliant

**Regional Availability**

Europe