

**BALTAMID 6 GF 30 natur**

PA6-GF30

BALTIC Kunststoff Handels GmbH

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Modulus	<b>9000 / 5600</b>	MPa	ASTM D 638
Tensile Strength at Yield	<b>170 / 100</b>	MPa	ASTM D 638
Elongation at Break	<b>3.5 / 4</b>	%	ASTM D 638
Flexural Strength	<b>270 / 140</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 121 / R 114</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>110 / 170</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Coefficient of Thermal Expansion, MD	<b>30</b>	E-6/K	ASTM D 696
DTUL @ 66 psi	<b>215</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>205</b>	°C	ASTM D 648
Melting Temperature	<b>220</b>	°C	ASTM D 3418
Vicat Temperature	<b>200</b>	°C	ASTM D 1525

<b>Electrical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Dielectric Strength, Short Time	<b>60 / 40</b>	kV/mm	ASTM D 149
Surface Resistivity	<b>* / 1E11</b>	Ohm	ASTM D 257
Volume Resistivity	<b>1E15 / 1E12</b>	Ohm*cm	ASTM D 257

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water Absorption, 24hr	<b>0.9</b>	%	ASTM D 570
Density	<b>1340</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Melt temperature	<b>240 - 270</b>	°C	-
Mold temperature	<b>80 - 100</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Additives**

Release agent

**Delivery form**

Natural Color

**Regional Availability**

Europe