

**DENKA K-5130G**

ABS-GF30

Denka Company Limited

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	<b>0.2</b>	g/10min	ISO 1133
Temperature	<b>220</b>	°C	-
Load	<b>10</b>	kg	-
Molding shrinkage, parallel	<b>0.2</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>8000</b>	MPa	ISO 527
Stress at break	<b>116</b>	MPa	ISO 527
Flexural modulus, 23°C	<b>7850</b>	MPa	ISO 178
Flexural strength	<b>185</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>11</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	<b>R 116</b>	-	ISO 2039-2
<b>ASTM Data</b>			
Flexural Modulus	<b>5900</b>	MPa	ASTM D 790
Flexural Strength	<b>118</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 123</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>87</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>136</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>140</b>	°C	ISO 306
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Yellow Card available	<b>yes</b>	-	-
<b>ASTM Data</b>			
DTUL @ 264 psi	<b>130</b>	°C	ASTM D 648
Vicat Temperature	<b>136</b>	°C	ASTM D 1525
<b>Other properties</b>			
Density	<b>1240</b>	kg/m <sup>3</sup>	ISO 1183
Density	<b>1230</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Special Characteristics**

Heat stabilized or stable to heat

**Regional Availability**

North America, Europe, Asia Pacific