

**POLYshine PBT D204 GF30 FR**

PBT-GF30

Polykemi AB

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>0.3</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>1.2</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Strength	<b>145</b>	MPa	ISO 527
Strain at break	<b>1.8</b>	%	ISO 527
Flexural modulus, 23°C	<b>9000</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>3</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>210</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>220</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>210</b>	°C	ISO 306
Burning behav. at thickness h	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>1.0</b>	mm	-
Glow Wire Ignition Temperature (GWIT)	<b>960</b>	°C	IEC 60695-2-13
GWIT - thickness tested (1)	<b>2</b>	mm	-
<b>Other properties</b>			
Density	<b>1700</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Flame retardant

**Delivery form**

Granules

**Regional Availability**

Europe, Asia Pacific