

**KEPAMID® 6150GFH**

PPA-GF50

Korea Engineering Plastics Co. Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.4	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Strength	295	MPa	ISO 527
Strain at break	2.2	%	ISO 527
Flexural modulus, 23°C	16400	MPa	ISO 178
Charpy notched impact strength, +23°C	15	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	310	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	280	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	30	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Relative permittivity, 1MHz	4.5	-	IEC 62631-2-1
Dissipation factor, 1MHz	10	E-4	IEC 62631-2-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Electric strength	28	kV/mm	IEC 60243-1

Other properties	Value	Unit	Test Standard
Humidity absorption	0.3	%	Sim. to ISO 62
Density	1650	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90 - 120	°C	-
Pre-drying - Time	4 - 8	h	-
Processing humidity	≤0.1	%	-
Mold temperature	130 - 150	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	310 - 330	°C	-
Zone 2	310 - 335	°C	-
Zone 3	315 - 340	°C	-
Nozzle temperature	320 - 340	°C	-

**Characteristics****Processing**

Injection Molding

**Applications**

Automotive, Electrical and Electronical

**Special Characteristics**

Heat stabilized or stable to heat

**Regional Availability**

North America, Europe, Asia Pacific