

MAXIMID® 7550GF

PAMXD6-GF50

Korea Engineering Plastics Co. Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Strength	300	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus, 23°C	18500	MPa	ISO 178
Charpy notched impact strength, +23°C	13.5	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	238	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	232	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	17	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			
ISO Data			
Electric strength	18	kV/mm	IEC 60243-1
Other properties			
Humidity absorption	0.17	%	Sim. to ISO 62
Density	1650	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	90 - 120	°C	-
Pre-drying - Time	4 - 8	h	-
Processing humidity	≤0.1	%	-
Mold temperature	120 - 140	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	250 - 260	°C	-
Zone 2	260 - 270	°C	-
Zone 3	265 - 275	°C	-
Nozzle temperature	270 - 280	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Applications

Automotive, Electrical and Electronical