KEPAMID® 6145GHM8

PPA-(GF+MX)45 — Korea Engineering Plastics Co. Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.6**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	**180**	MPa	ISO 527
Yield strain	**1.6**	%	ISO 527
Strain at break	**>50**	%	ISO 527
Flexural modulus, 23°C	**5.5**	MPa	ISO 178
Charpy notched impact strength, +23°C	**11**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**310**	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**282**	°C	ISO 75-1/-2
Burning behav. at thickness h	**HB**	class	IEC 60695-11-10
Thickness tested	**0.8**	mm	-

Other properties	Value	Unit	Test Standard
Humidity absorption	**0.4**	%	Sim. to ISO 62
Density	**1600**	kg/m³	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