

DAIAMID® L1960T

PA12-Z

Daicel-Evonik Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	7	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Mechanical properties			
ISO Data			
Tensile Modulus	5100	MPa	ISO 527
Yield stress	87	MPa	ISO 527
Yield strain	12	%	ISO 527
Stress at break	85	MPa	ISO 527
Strain at break	15	%	ISO 527
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	8	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	6	kJ/m ²	ISO 179/1eA
Rockwell hardness	R114	-	ISO 2039-2
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	178	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	132	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	166	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	60	E-6/K	ISO 11359-1/-2
Electrical properties			
ISO Data			
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Other properties			
Water absorption	1	%	Sim. to ISO 62
Humidity absorption	0.5	%	Sim. to ISO 62
Density	1290	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding

Delivery form

White

Special Characteristics

High impact or impact modified, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance, Oil Resistance

Regional Availability

North America, Europe, Asia Pacific, South and Central America