

DAIAMID® ZL 1101

PA12

Daicel-Evonik Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	8	cm ³ /10min	ISO 1133
Temperature	230	°C	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	350	MPa	ISO 527
Stress at break	50	MPa	ISO 527
Strain at break	>50	%	ISO 527
Charpy notched impact strength, +23°C	N	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	N	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	172	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	45	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	98	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Humidity absorption	0.5	%	Sim. to ISO 62
Density	1020	kg/m ³	ISO 1183

Characteristics**Regional Availability**

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