

VESTAKEEP L4000G

PEEK

Daicel-Evonik Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	12	cm ³ /10min	ISO 1133
Temperature	380	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3600	MPa	ISO 527
Yield stress	94	MPa	ISO 527
Yield strain	5	%	ISO 527
Stress at break	75	MPa	ISO 527
Strain at break	30	%	ISO 527
Flexural modulus, 23°C	3400	MPa	ISO 178
Charpy notched impact strength, +23°C	7	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	6	kJ/m ²	ISO 179/1eA

Other properties	Value	Unit	Test Standard
Density	1300	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	150 - 160	°C	-
Pre-drying - Time	2 - 3	h	-
Mold temperature	180 - 220	°C	-
Zone 1	380 - 400	°C	-
Zone 2	380 - 400	°C	-
Zone 3	380 - 400	°C	-
Nozzle temperature	380 - 400	°C	-
Injection pressure	280	MPa	-

Characteristics**Processing**

Injection Molding, Film Extrusion

Delivery form

Granules

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Features

Creep Resistance, Fatigue Resistance

Chemical Resistance

General Chemical Resistance, Hydrolytically Stable, Radiation Resistance

Applications

Automotive, Electrical and Electronical, Monofilament

Regional Availability

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