

**VESTAKEEP 2000G**

PEEK

Daicel-Evonik Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	70	cm <sup>3</sup> /10min	ISO 1133
Temperature	380	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	3700	MPa	ISO 527
Yield stress	100	MPa	ISO 527
Yield strain	6	%	ISO 527
Stress at break	80	MPa	ISO 527
Strain at break	25	%	ISO 527
Flexural modulus, 23°C	3500	MPa	ISO 178
Charpy notched impact strength, +23°C	5	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	5	kJ/m <sup>2</sup>	ISO 179/1eA

Other properties	Value	Unit	Test Standard
Density	1300	kg/m <sup>3</sup>	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

**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