

VESTAKEEP 2000GF30

PEEK-GF

Daicel-Evonik Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	25	cm ³ /10min	ISO 1133
Temperature	400	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	11000	MPa	ISO 527
Stress at break	170	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus, 23°C	10000	MPa	ISO 178
Charpy notched impact strength, +23°C	9	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	8	kJ/m ²	ISO 179/1eA

Other properties	Value	Unit	Test Standard
Density	1510	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

Delivery form

Granules

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Features

Creep Resistance, Ductile, Fatigue Resistance

Chemical Resistance

General Chemical Resistance, Hydrolytically Stable, Radiation Resistance

Applications

Automotive

Regional Availability

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