

# Daicel PP PG8N1

Polypropylene

Daicel Polymer Ltd.

## Message:

Daicel PP PG8N1 is a Polypropylene material filled with 40% glass fiber. It is available in Asia Pacific.

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.30 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	100	MPa	ISO 527-2
Flexural Modulus	8500	MPa	ISO 178
Flexural Stress	150	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	13	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	160	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 120	°C	
Drying Time	3.0 to 5.0	hr	
Rear Temperature	140 to 190	°C	
Middle Temperature	160 to 210	°C	
Front Temperature	180 to 230	°C	
Nozzle Temperature	180 to 230	°C	
Mold Temperature	40.0 to 60.0	°C	
Back Pressure	5.00 to 20.0	MPa	
Screw Speed	70 to 90	rpm	

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Recommended distributors for this material

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