

# KP Plastics

## CMP 4191

### **Description:**

DANCMP 4191 is polypropylene filled with 20% glass fiber offering better mechanical properties.

### **Advantages:**

High mechanical properties, high impact and easy flow, good dimensional stability and chemical resistance

### **Characteristics:**

Appearance: Granular  
Color: Natural  
Carrier: PP  
Processing Method: Injection molding

### **Application:**

This compound is used in appliance industry, automotive applications, electrical goods, housewares and other utility products.

### **Properties:**

Parameters	Value	Unit	Test Method
<b>Physical</b>			
Melt Flow Index (230°C, 2.16 kg)	5±2	g/10 min	ASTM D 1238
Density	1.05± 0.02	gr/cm <sup>3</sup>	ASTM D 1505
Ash Content	20 ± 2	%	ASTM D 5630
<b>Mechanical</b>			
Tensile Strength @Peak	≥65	MPa	ASTM D 638
Elongation @Break	3±2	%	ASTM D 638
Notched Izod Impact(23°C)	12±2	KJ/m <sup>2</sup>	ISO 180
Elastic Modulus	≥2300	MPa	ASTM D 638

\*Test Condition: Samples were prepared by injection molding machine (100 Ton).

**Processing Conditions:****Injection Molding:**

Rear Temp (°C)	Center Temp (°C)	Center Temp (°C)	Front Temp (°C)	Nozzle Temp (°C)
200-210	200-210	210-220	220-230	220-230
Melt Temp (°C)	Mold Temp (°C)	Filling Speed		
230	60-80	Slow-Mid		

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