

# MAJORIS FW314 - 8229

Polypropylene

AD majoris

## Message:

FW314 - 8229 is a 30% glass/mineral reinforced polypropylene compound intended for injection moulding.

The product is available in both black (FW314 - 8229) and natural (FW314) but other colours can be provided on request.

FW314 - 8229 has been developed especially for the automotive applications and electrical components.

### APPLICATIONS

Products requiring very good long term heat resistance, high heat distortion temperature, excellent rigidity, low shrinkage and high dimensional stability can suitably be made from FW314 - 8229.

Air blower wheel

Miscellaneous technical components

Electrical parts

General Information			
Filler / Reinforcement	Glass \mineral, 30% filler by weight		
Additive	heat stabilizer		
Features	Good dimensional stability		
	Rigidity, high		
	Recyclable materials		
	Heat resistance, high		
	Thermal Stability		
Uses	Low shrinkage		
Appearance	Electrical components		
	Application in Automobile Field		
Forms	Black		
	Available colors		
	Natural color		
Processing Method	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage	0.60 - 0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	56.0	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus <sup>1</sup>	3850	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength			ISO 179/1eA
-40°C	5.0	kJ/m <sup>2</sup>	ISO 179/1eA
23°C	6.0	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	159	°C	ISO 75-2/B
1.8 MPa, not annealed	145	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	230 - 270	°C	
Mold Temperature	30.0 - 70.0	°C	
Injection Rate	Moderate		
Injection instructions			
Holding pressure: 50 to 70% of the injection pressure			
NOTE			
1.	2.0 mm/min		

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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