

# MAJORIS EW404

Polypropylene

AD majoris

## Message:

EW404 is a 40% mineral fiber reinforced polypropylene compound intended for injection moulding.

EW404 has a medium flow rate, very good processability and excellent mechanical properties.

EW404 has been developed especially for the automotive under the bonnet application requiring excellent long- term heat stability and electrical industry.

## APPLICATIONS

Fuse and connector boxes

Miscellaneous electrical components

Household appliances

Automotive climate control parts

Air conditioning parts

Heater housings

Products requiring high rigidity, high dimensional stability and low shrinkage can be made from EW404.

General Information			
Filler / Reinforcement	Mineral filler, 40% filler by weight		
Features	Good dimensional stability		
	Rigidity, high		
	Recyclable materials		
	Workability, good		
	Medium liquidity		
Uses	Low shrinkage		
	Electrical/Electronic Applications		
	Electrical components		
	Electrical appliances		
	Parts under the hood of a car		
Forms	Shell		
Processing Method	Particle		
Processing Method	Injection molding		
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)	10	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6250	MPa	ISO 527-2/2
Tensile Stress (Yield)	73.0	MPa	ISO 527-2/50
Tensile Strain (Break)	2.8	%	ISO 527-2/50
Flexural Modulus <sup>1</sup>	6600	MPa	ISO 178
Flexural Stress <sup>2</sup>	124	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	32	kJ/m <sup>2</sup>	ISO 179/1eU
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	210 - 260	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Moderate		
Injection instructions			
Holding pressure: 50 to 70% of the injection pressure			
NOTE			
1.	2.0 mm/min		
2.	50 mm/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### 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

