

# MAJORIS EW850

Polypropylene

AD majoris

## Message:

EW850 has naturally a greyish black colour, it is a mineral filled polypropylene compound with a high density and intended for injection moulding.

The product is only available in naturally greyish black.

EW850 has been developed for applications where high density, low shrinkage & warpage good surface finish and good flow properties are necessary.

## APPLICATIONS

High density and such as:

Building and construction

Cosmetics mouldings

Appliances

General Information			
Filler / Reinforcement	Mineral filler		
Features	Low warpage		
	High density		
	Recyclable materials		
	Good liquidity		
	Low shrinkage		
	Excellent appearance		
Uses	Electrical appliances		
	Cosmetics		
	Building materials		
	Architectural application field		
Appearance	Grey		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	3.00	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	1.2	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6750	MPa	ISO 527-2
Tensile Strain (Break)	8.0	%	ISO 527-2
Flexural Modulus	4050	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	33	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature			
0.45 MPa, not annealed	95.0	°C	ISO 75-2/B
1.8 MPa, not annealed	70.0	°C	ISO 75-2/A
Thermal Conductivity	0.90	W/m/K	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3	ohms	IEC 60093
Volume Resistivity	1.0E+7	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	220 - 270	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Moderate		
Injection instructions			

Holding pressure: 50 to 70% of the injection pressure

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#### Recommended distributors for this material

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