

MAJORIS EW221

Polypropylene

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Message:

EW221 is a 20% mineral filled, special white polypropylene compound intended for injection moulding.

EW221 has been developed especially for applications requiring high detergent resistancy and very good surface quality.

The product is available in natural and black (EW221- 8229) but other colours can be provided on request.

The good flow ability of EW221 makes it very easy to process complicated parts with long flow paths.

APPLICATION

Dishwasher components

Household appliances

Washing machine parts

Electrical applications

General Information			
Filler / Reinforcement	Mineral filler, 20% filler by weight		
Features	Recyclable materials		
	Workability, good		
	Good liquidity		
	Detergent resistance		
	Excellent appearance		
Uses	Electrical/Electronic Applications		
	Electrical appliances		
	Home appliance components		
Appearance	White		
	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ISO 1133
Molding Shrinkage	1.0 - 1.3	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	25.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	10	%	ISO 527-2/50
Flexural Modulus ¹	2200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	115	°C	ISO 75-2/B
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
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		

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