

MAJORIS EW351

Polypropylene

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Message:

EW351 is a 35% glass filled, special white polypropylene compound intended for injection moulding. EW351 has been developed especially for applications requiring heat stabilized. The good flow ability of EW351 makes it very easy to process complicated parts with long flow paths.

APPLICATION

Household appliances

Electrical applications

Miscellaneous technically items

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 35% filler by weight		
Additive	heat stabilizer		
Features	Recyclable materials		
	Workability, good		
	Good liquidity		
	Thermal Stability		
Uses	Electrical/Electronic Applications		
	Electrical appliances		
Appearance	White		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Molding Shrinkage	0.70 - 1.1	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2700	MPa	ISO 527-2
Tensile Stress (Yield)	37.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	18	%	ISO 527-2/50
Flexural Modulus ¹	2600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	127	°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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