

MAJORIS FW350

Polypropylene

AD majoris

Message:

FW350 is a 35% mineral reinforced polypropylene compound intended for injection moulding.

The product is available in both black (FW350 - 8229) and natural (FW350) but other colours can be provided on request.

FW350 has been developed especially for the automotive applications and electrical/ appliance components.

APPLICATIONS

Products requiring very good heat resistance, high heat distortion temperature, excellent strength and stiffness, high gloss and improved surface can suitably be made from FW 350.

Appliances

Miscellaneous technical components

Electrical parts

General Information			
Filler / Reinforcement	Mineral filler, 35% filler by weight		
Additive	heat stabilizer		
Features	Rigidity, high		
	Highlight		
	High strength		
	Recyclable materials		
	Heat resistance, high		
Uses	Thermal Stability		
	Electrical components		
	Home appliance components		
	Application in Automobile Field		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	19	g/10 min	ISO 1133
Molding Shrinkage	0.50 - 0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	40.0	MPa	ISO 527-2
Fracture	27.0	MPa	ISO 527-2

Tensile Strain (Break)	10	%	ISO 527-2
Flexural Modulus	3700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.3	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	126	°C	ISO 75-2/B
1.8 MPa, not annealed	81.0	°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	220 - 270	°C	
Mold Temperature	30.0 - 60.0	°C	
Injection Rate	Slow-Moderate		
Injection instructions			

Holding pressure: 50 to 70% of the injection pressure

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