

MAJORIS DW400

Polypropylene

AD majoris

Message:

DW400 is a 40% glass - filled polypropylene compound intended for injection moulding.

The product is available in both black (DW400 - 8229) and natural (DW400) but other colours can be provided on request.

DW400 has been developed especially for the automotive applications and electrical components.

The good flowability of DW400 makes it very easy to process even for complicated parts with long flow paths and it offers very high productivity with short cycle times. DW400 is formulated to give an excellent surface finish with good scuff resistance.

APPLICATIONS

Products requiring good rigidity, low shrinkage, high dimensional stability can suitably be made from DW400.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Features	Good dimensional stability		
	Excellent appearance		
	Recyclable materials		
	Workability, good		
	Fast molding cycle		
	Good liquidity		
	Low shrinkage		
	Medium hardness		
Uses	Electrical components		
	Application in Automobile Field		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	21.0	MPa	ISO 527-2/50
Flexural Modulus ¹	2450	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	72.0	°C	ISO 75-2/A
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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