

MAJORIS DW254

Polypropylene

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Message:

DW254 is a 25% glass fiber/mineral polypropylene compound intended for injection moulding.

The product is available in both natural (DW254) and black (DW254-8229) but other colours can be provided on request.

DW254 has been developed especially for the furnitures, sport, leisures applications . This product is antistatic and UV stabilised.

DW254 makes it very easy to process even for complicated parts with long flow paths and it offers very high productivity with short cycle times. DW254 is formulated to give an excellent surface finish.

APPLICATION

Products requiring good rigidity, low shrinkage, high dimensional stability can suitably be made from DW254.

General Information			
Filler / Reinforcement	Glass \mineral, 25% filler by weight		
Additive	Antistatic property UV stabilizer		
Features	Good dimensional stability Rigidity, high Antistatic property Good UV resistance Recyclable materials Workability, good Fast molding cycle Low shrinkage Excellent appearance		
Uses	Furniture Sporting goods		
Appearance	Black Available colors Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus ¹	2800	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	52	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	135	°C	ISO 75-2/B
1.8 MPa, not annealed	80.0	°C	ISO 75-2/A
Vicat Softening Temperature	150	°C	ISO 306/A50
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 - 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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