

MAJORIS DW100 - 8229

Polypropylene Homopolymer

AD majoris

Message:

DW100 - 8229 is a 10% glass-filled polypropylene compound intended for injection moulding. The product is available in natural (DW100), but other colours can be provided on request. The good flow ability of DW100 - 8229 makes it very easy to process even for complicated parts with long flow paths and it offers very high productivity with short cycle times. DW100 - 8229 is formulated to give an excellent surface finish.

APPLICATIONS

- Aesthetic parts
- Appliance moulding
- Aesthetic parts
- House wares
- Miscellaneous electrical components
- Products requiring rigidity, shrinkage and good dimensional stability can suitably be made from DW100 - 8229.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Features	Good dimensional stability		
	Rigidity, high		
	Homopolymer		
	Recyclable materials		
	Workability, good		
	Fast molding cycle		
	Good liquidity		
	Low shrinkage		
	Excellent appearance		
Uses	Electrical/Electronic Applications		
	Electrical appliances		
	Household goods		
	Decorative parts		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	1.3 - 1.8	%	Internal method
Mechanical	Nominal Value	Unit	Test Method

Tensile Stress (Yield)	28.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	12	%	ISO 527-2/50
Flexural Modulus ¹	1400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	27	kJ/m ²	ISO 179
23°C	40	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	95.0	°C	ISO 75-2/B
1.8 MPa, not annealed	53.0	°C	ISO 75-2/A
Vicat Softening Temperature	148	°C	ISO 306/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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