MAJORIS DW401HB - 8229

Polypropylene

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Message:

DW401HB - 8229 is a 40% glass fibre/bead reinforced polypropylene chemically coupled compound intended for injection moulding.
The product is available in both natural (DW401HB) and black (DW401HB - 8229) but other colours can be provided on request.
DW401HB - 8229 has been developed especially for the automotive applications and electrical components.
APPLICATIONS
Products requiring good long term heat resistance, high heat distortion temperature, rigidity, low shrinkage and high dimensional stability be made from DW401HB - 8229.

General Information			
Filler / Reinforcement	Glass Beads \Glass Fiber, 40% Filler by Weight		
Additive	heat stabilizer		
Features	Good dimensional stability Chemical coupling Recyclable materials Heat resistance, high Thermal Stability 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/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	0.20 - 0.40	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	53.0	MPa	ISO 527-2/50
Tensile Strain (Break)	2.5	%	ISO 527-2
Flexural Modulus [1]	4500	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	5.5	kJ/m²	ISO 179/1eA

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	129	°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		

Recommended distributors for this material

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WECHAT