MAJORIS AT231 - 8229

Polypropylene

AD majoris

Message:

AT231 - 8229 is a mineral filled grade intended for extrusion and injection moulding.

The product is available in natural (AT231) and black (AT231 - 8229) but other colours can be supplied on request.

AT231 - 8229 has been developed especially for the automotive under hood applications requiring good long-term heat stability.

APPLICATIONS

Products requiring high rigidity, good long- term heat resistance, high heat distortion temperature, low shrinkage and high dimensional stability such as: Automotive climate control parts

Profiles

Miscellaneous electrical and technical components

General Information			
Filler / Reinforcement	Mineral filler		
Additive	heat stabilizer		
Features	Good dimensional stability		
	Rigidity, high		
	Recyclable materials		
	Heat resistance, high		
	Thermal Stability		
	Low shrinkage		
Uses	Electrical components		
	Parts under the hood of a car		
	Profile		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16			
kg)	0.90	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ISO 527-2/1
Tensile Stress (Yield)	31.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	8.5	%	ISO 527-2/50

Flexural Modulus ¹	2300	MPa	ISO 178	
Impact	Nominal Value	Unit	Test Method	
Charpy Notched Impact Strength (23°C)	11	kJ/m²	ISO 179/1eA	
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU	
Flammability	Nominal Value		Test Method	
Flame Rating	НВ		UL 94	
Injection	Nominal Value	Unit		
Drying Temperature	80.0	°C		
Drying Time	3.0	hr		
Processing (Melt) Temp	220 - 250	°C		
Mold Temperature	30.0 - 60.0	°C		
Injection Rate	Moderate			
Injection instructions				
Holding pressure: 50 to 70% of the injection pressure				
Extrusion	Nominal Value	Unit		
Drying Temperature	80.0	°C		
Drying Time	3.0	hr		
Cylinder Zone 1 Temp.	220	°C		
Cylinder Zone 2 Temp.	220	°C		
Cylinder Zone 3 Temp.	230	°C		
Cylinder Zone 4 Temp.	240	°C		
Melt Temperature	210 - 240	°C		
Head Temperature	240	°C		
Die Temperature	230	°C		
NOTE				
1.	2.0 mm/min			

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