MAJORIS ET432 - 8229

Polypropylene

AD majoris

Message:

ET432 - 8229 is a mineral filled polypropylene compound intended for injection moulding.
The product is available in black (ET432 - 8229) and natural (ET432) but other colours can be provided on request.
ET432 - 8229 has a very easy flowing and excellent mechanical properties.
ET432 - 8229 has been developed especially for the automotive under the bonnet applications requiring long-term heat stability. ET432 - 8229 makes it very easy to process for complicated part with long flow paths.
APPLICATIONS
Automotive climate control parts
Heater cases
Air conditioning parts
Air ducts
Dashboard inserts
Air filters
Fuse and connector boxes
Products requiring good long-term heat resistance, very high heat distortion temperature, excellent rigidity, high dimensional stability, low shrinkage can suitably be made from ET432 - 8229.

General Information	
Filler / Reinforcement	Mineral filler, 40% filler by weight
Additive	heat stabilizer
Features	Good dimensional stability Rigidity, high Recyclable materials Workability, good Good liquidity Heat resistance, high Thermal Stability Low shrinkage
Uses	Filter Parts under the hood of a car Application in Automobile Field
Appearance	Black Available colors Natural color
Forms	Particle
Processing Method	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm³	ISO 1183

Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Molding Shrinkage	0.80 - 1.0	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	75		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	33.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	5.0	%	ISO 527-2/50
Fracture	30	%	ISO 527-2/50
Flexural Modulus [1]	3600	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	3.0	kJ/m^2	ISO 179/1eA
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	134	°C	ISO 75-2/B
1.8 MPa, not annealed	82.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	152	°C	ISO 306/A
--	103	°C	ISO 306/B
CLTE - Flow	5.5E-5	cm/cm/°C	ISO 11359-2
Thermal Stability (150°C)	> 700.0	hr	
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 - 270	°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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