MAJORIS AT200

Polypropylene

AD majoris

Message:

AT200 is a natural, 20% mineral filled polypropylene compound intended for extrusion profile and blow moulding.
AT200 has a rather low flow rate and outstanding process ability.
The product is available in natural and black (AT200 - 8229) but other colours can be provided on request.
APPLICATIONS
Household appliances
Miscellaneous electrical components
Technical components
Profiles
Products requiring excellent rigidity, low shrinkage and high dimensional stability can suitably be made from AT200.

General Information	
Filler / Reinforcement	Mineral,20% Filler by Weight
Features	Good Dimensional Stability Good Processability High Rigidity Low Flow Low Shrinkage Recyclable Material
Uses	Appliances Electrical Parts Profiles
Appearance	Black Colors Available Natural Color
Forms	Pellets
Processing Method	Blow Molding Extrusion Profile Extrusion

Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.45	g/10 min	ISO 1133
Molding Shrinkage	1.1 to 1.6	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2000	MPa	ISO 527-2/1

Tensile Stress (Yield)	32.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	10	%	ISO 527-2/50
Flexural Modulus [1]	1800	MPa	ISO 178
Flexural Stress	45.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m^2	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	73	kJ/m^2	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	120	°C	ISO 75-2/B
1.8 MPa, Unannealed	69.0	°C	ISO 75-2/A
Vicat Softening Temperature	150	°C	ISO 306/A
Ball Pressure Test (125°C)	Pass		NF C 61-303
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
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 to 240	°C	
Head Temperature	240	°C	
Die Temperature	230	°C	
NOTE			
1.	2.0 mm/min		

Recommended distributors for this material

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