MAJORIS BT200

Polypropylene

AD majoris

Message:

BT200 is a natural, 20% mineral filled polypropylene compound intended for injection moulding and extrusion profile.
BT200 has a rather low flow rate and outstanding process ability.
APPLICATIONS
Noise protection in industrial applications
Household appliances
Miscellaneous electrical components
Technical components
Automotive climate control parts
Profiles
Products requiring excellent rigidity, low shrinkage and high dimensional stability can suitably be made from BT200.

General Information	
Filler / Reinforcement	Mineral filler, 20% filler by weight
Features	Good dimensional stability Rigidity, high Recyclable materials Workability, good Low liquidity Low shrinkage
Uses	Electrical/Electronic Applications Electrical appliances Sound insulation Industrial application Application in Automobile Field Profile
Appearance	Natural color
Forms	Particle
Processing Method	Profile extrusion molding 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)	2.0	g/10 min	ISO 1133
Molding Shrinkage	1.1 - 1.6	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2550	MPa	ISO 527-2/1

Tensile Stress (Yield)	31.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	8.0	%	ISO 527-2/50
Flexural Modulus [1]	2490	MPa	ISO 178
Flexural Stress [2]	42.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	4.5	kJ/m^2	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	70	kJ/m^2	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	122	°C	ISO 75-2/B
1.8 MPa, not annealed	70.0	°C	ISO 75-2/A
Vicat Softening Temperature	154	°C	ISO 306/A
Ball Pressure Test (125°C)	Pass		NF C 61-303
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	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		
2.	50 mm/min		

Recommended distributors for this material

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