MAJORIS BT400

Polypropylene

AD majoris

Message:

BT400 is a 40% mineral filled polypropylene compound intended for injection moulding and extrusion profile...
The light natural colour of BT400 makes it easy to reach any colour tone. The compound is also supplied ready coloured according to the customer' requirements.
BT400 is intended for components which require good long-term heat resistance, very high heat distortion temperature, excellent rigidity, low shrinkage and high dimensional stability.
APPLICATIONS
Technical items
Automotive parts
Profiles
Office furniture
Miscellaneous electrical components

General Information	
Filler / Reinforcement	Mineral filler, 40% filler by weight
Additive	heat stabilizer
Features	Good dimensional stability Rigidity, high Recyclable materials Heat resistance, high Thermal Stability Low shrinkage
Uses	Electrical components Furniture Application in Automobile Field Profile
Appearance	Available colors Natural color
Forms	Particle
Processing Method	Profile extrusion molding 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)	2.0	g/10 min	ISO 1133
Molding Shrinkage	0.80 - 1.1	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**

Tensile Modulus	3100	MPa	ISO 527-2/1
Tensile Stress (Yield)	28.0	MPa	ISO 527-2/50
Tensile Strain (Break)	4.0	%	ISO 527-2/5
Flexural Modulus [1]	3000	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	7.0	kJ/m^2	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	28	kJ/m^2	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	125	°C	ISO 75-2/B
1.8 MPa, not annealed	79.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	155	°C	ISO 306/A
--	108	°C	ISO 306/B
Ball Pressure Test (125°C)	Pass		NF C 61-303
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	230 - 280	°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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