MAJORIS BT410

Polypropylene

AD majoris

Message:

BT410 is a 40% mineral filled polypropylene compound intended for injection moulding. The light natural colour of BT410 makes it easy to reach any colour tone. The compound is also supplied ready coloured according to the customer' requirements.
BT410 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
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 Application in Automobile Field		
Appearance	Available colors Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.22	g/cm^3	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break)	34.0	MPa	ISO 527-2/5
Tensile Strain (Break)	4.0	%	ISO 527-2/5
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)	21	kJ/m^2	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			

0.45 MPa, not annealed	132	°C	ISO 75-2/B
1.8 MPa, not annealed	81.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	155	°C	ISO 306/A
--	108	°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	230 - 280	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Moderate		

Injection instructions

Holding pressure: 50 to 70% of the injection pressure

Recommended distributors for this material

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WECHAT