

# MAJORIS BT210

Polypropylene

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## Message:

BT210 is a natural, 20% mineral filled polypropylene compound intended for injection moulding and extrusion profile.

BT210 has a rather low flow rate and outstanding processability.

The product is available in natural and black (BT210 - 8229) but other colours can be provided on request.

### APPLICATIONS

Noise protection in industrial applications

Household appliances

Miscellaneous electrical components

Technical components

Profiles

Products requiring excellent rigidity, low shrinkage and high dimensional stability can suitably be made from BT210.

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 components		
	Electrical appliances		
	Sound insulation		
	Industrial application		
	Profile		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Profile extrusion molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method

Durometer Hardness (Shore D)	73		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2800	MPa	ISO 527-2
Tensile Stress			ISO 527-2/50
Yield	31.0	MPa	ISO 527-2/50
Fracture	24.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	6.0	%	ISO 527-2/50
Fracture	14	%	ISO 527-2/50
Flexural Modulus <sup>1</sup>	2500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.5	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	123	°C	ISO 75-2/B
1.8 MPa, not annealed	67.0	°C	ISO 75-2/A
Vicat Softening Temperature	154	°C	ISO 306/A
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	220 - 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		

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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