

# MAJORIS BT440 - 8229

Polypropylene

AD majoris

## Message:

BT440 - 8229 is a red, 40% mineral filled polypropylene compound intended for injection moulding, sheet and profile extrusion.

The product is available in black (BT440 - 8229) and natural (BT440) but other colours can be supplied on request.

## APPLICATIONS

Extruded automotive parts

Sheet and profile

Miscellaneous

General Information			
Filler / Reinforcement	Mineral filler, 40% filler by weight		
Features	Recyclable materials		
Uses	Sheet		
	Application in Automobile Field		
	Profile		
Appearance	Black		
	Red		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Sheet extrusion molding		
	Profile extrusion molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	33.0	MPa	ISO 527-2/5
Tensile Strain (Break)	7.0	%	ISO 527-2/5
Flexural Modulus	4550	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	131	°C	ISO 75-2/B
1.8 MPa, not annealed	80.0	°C	ISO 75-2/A

CLTE - Flow	5.5E-5	cm/cm/°C	ISO 11359-2
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	220 - 270	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Moderate		
Injection instructions			

Holding pressure: 50 to 70% of the injection pressure

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#### Recommended distributors for this material

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