

# MAJORIS BT372 - 5038

Polypropylene

AD majoris

## Message:

BT372 - 5038 is a coloured, 40% mineral filled polypropylene compound (with Yellow card) intended for injection moulding.

BT372 - 5038 is available in natural (BT372) and black (BT372 - 8229) but other colours can be provided on request.

BT372 - 5038 has been developed especially for applications requiring high detergent resistance and heat stability.

### APPLICATIONS

Product requiring high rigidity, high dimensional stability and good detergent resistance such as:

Washing machine and dish washer parts

E.g. Soap Dispenser

General Information			
Filler / Reinforcement	Mineral filler, 40% filler by weight		
Features	Good dimensional stability		
	Rigidity, high		
	Recyclable materials		
	Detergent resistance		
	Thermal stability, good		
Uses	Home appliance components		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.2	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	47.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	4.0	%	ISO 527-2/50
Flexural Modulus <sup>1</sup>	3700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.5	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	43	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	73.0	°C	ISO 75-2/A
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 - 60.0	°C
Injection Rate	Slow-Moderate	
Injection instructions		
Holding pressure: 50 to 70% of the injection pressure		
NOTE		
1.	5.0 mm/min	

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#### Recommended distributors for this material

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