

# MAJORIS BW420

Polypropylene

AD majoris

## Message:

BW420 is a 40% mineral filled polypropylene compound intended for injection moulding and extrusion profile...

The light natural colour of BW420 makes it easy to reach any colour tone. The compound is also supplied ready coloured according to the customer' requirements.

BW420 is intended for components which require good long-term heat resistance, 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		
Features	Good dimensional stability		
	Rigidity, high		
	Recyclable materials		
	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	1.20	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Molding Shrinkage	0.70 - 1.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4600	MPa	ISO 527-2/1
Tensile Stress (Yield)	50.0	MPa	ISO 527-2/50
Tensile Strain (Break)	3.0	%	ISO 527-2/5

Flexural Modulus <sup>1</sup>	4500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	28	kJ/m <sup>2</sup>	ISO 179/1eU
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 - 250	°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		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### 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

