

Witcom PA6 5G-AS-S

Polyamide 6

Witcom Engineering Plastics B.V.

Message:

ATEX-conform

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 25% filler by weight		
Additive	Antistatic property		
Features	Antistatic property		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Molding Shrinkage - Flow (3.00 mm)	0.20 - 0.40	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	< 130	MPa	ISO 527-2
Tensile Strain (Break)	2.0 - 4.0	%	ISO 527-2
Flexural Modulus	7300	MPa	ISO 178
Flexural Stress	165	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	12	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	70	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	195	°C	ISO 75-2/A
CLTE - Flow	3.1E-5	cm/cm/°C	ISO 11359-2
RTI Imp (3.00 mm)	95.0	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+8 - 1.0E+9	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		ISO 1210
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0 - 5.0	hr	
Suggested Max Moisture	0.10	%	
Processing (Melt) Temp	250 - 270	°C	
Mold Temperature	40.0 - 80.0	°C	
Injection Rate	Fast		
Back Pressure	0.00 - 1.00	MPa	
Injection instructions			

Screw speed: 0.1 - 0.2 m/sInjection pressure: Keep to a minimumHold pressure: Keep to a minimum

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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

