

Witcom PA6 2012/079

Polyamide 6

Witcom Engineering Plastics B.V.

Message:

Witcom PA6 2012/079 is a polyamide 6 (nylon 6) product containing filler. It can be processed by injection molding and is available in Europe.

Features include:

flame retardant/rated flame

Flame Retardant

Conductivity

Halogen-free

General Information			
UL YellowCard	E302352-102047688		
Filler / Reinforcement	Filler		
Additive	Flame retardancy		
Features	Conductivity		
	Heat conduction		
	Halogen-free		
	Flame retardancy		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.57	g/cm ³	ISO 1183
Molding Shrinkage - Flow (3.00 mm)	0.10 - 0.20	%	ISO 2577
Water Absorption			ISO 62
Saturated, 23°C	3.5	%	ISO 62
Equilibrium, 23°C, 50% RH	1.2	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	< 95.0	MPa	ISO 527-2
Tensile Strain (Break)	1.0 - 2.0	%	ISO 527-2
Flexural Modulus	31000	MPa	ISO 178
Flexural Stress	155	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	4.5	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	15	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	205	°C	ISO 75-2/A
Thermal Conductivity ¹	21	W/m/K	ISO 22007-2
RTI Imp (3.00 mm)	95.0	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+4 - 1.0E+6	ohms	ASTM D257

Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-1		ISO 1210
Glow Wire Flammability Index (1.60 mm)	960	°C	IEC 60695-2-12
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	60.0 - 95.0	°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			
NOTE			
1.	in plane		

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



WECHAT