

PENTAMID A GV30 H yellow 1018/1

Polyamide 66

PENTAC Polymer GmbH

Message:

Normal viscosity, heat stabilised polyamide 66, 30% glass fiber reinforced, special coloration

General Information				
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight			
Additive	heat stabilizer			
Features	Thermal Stability			
Agency Ratings	EC 1907/2006 (REACH)			
Appearance	Yellow			
Forms	Particle			
Processing Method	Injection molding			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.36	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturated, 23°C	5.0	--	%	ISO 62
Equilibrium, 23°C, 50% RH	1.4	--	%	ISO 62
Viscosity Number	140	--	cm ³ /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	8800	7200	MPa	ISO 527-2/1
Tensile Stress (Break)	150	105	MPa	ISO 527-2/5
Tensile Strain (Break)	2.6	3.0	%	ISO 527-2/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	7.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	45	45	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	255	--	°C	ISO 75-2/B
1.8 MPa, not annealed	245	--	°C	ISO 75-2/A
Melting Temperature	260	--	°C	ISO 11357-3
Electrical	Dry	Conditioned	Unit	Test Method
Dielectric Strength	90	--	kV/mm	IEC 60243-1
Dielectric Constant (1 MHz)	3.50	--		IEC 60250
Comparative Tracking Index	450	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method

Flame Rating (3.2 mm)	HB	--	UL 94
Additional Information	Dry	Conditioned	Test Method
ISO Shortname	PA66, MHRC, 14-090, GF30	--	ISO 1874
Injection	Dry	Unit	
Drying Temperature	80		°C
Drying Time	3.0		hr
Suggested Max Moisture	0.050 - 0.13		%
Suggested Max Regrind	20		%
Rear Temperature	270 - 290		°C
Middle Temperature	275 - 300		°C
Front Temperature	280 - 290		°C
Processing (Melt) Temp	270 - 300		°C
Mold Temperature	60 - 100		°C
Injection Pressure	78.0		MPa
Screw L/D Ratio	18.0:1.0 to 22.0:1.0		
Screw Compression Ratio	2.2:1.0 to 2.8:1.0		

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

