

PENTAMID B GV15 GK15 H natur

Polyamide 6

PENTAC Polymer GmbH

Message:

Normal viscosity, heat stabilised polyamide 6, 15% glass fiber and 15% glass bead reinforced

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 15% filler by weight Glass beads, 15% filler by weight		
Additive		heat stabilizer		
Features		Low warpage Thermal Stability		
Uses		Connector		
Agency Ratings		EC 1907/2006 (REACH)		
Appearance		Natural color		
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.36	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Vertical flow direction	0.75	--	%	ISO 294-4
Flow direction	0.40	--	%	ISO 294-4
Water Absorption				ISO 62
Saturated, 23°C	6.5	--	%	ISO 62
Equilibrium, 23°C, 50% RH	2.1	--	%	ISO 62
Viscosity Number	145	--	cm ³ /g	ISO 307
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness (H 961/30)	185	--	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	7000	4200	MPa	ISO 527-2/1
Tensile Stress (Break)	125	70.0	MPa	ISO 527-2
Tensile Strain (Break)	4.0	9.0	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	15	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	60	80	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method

Heat Deflection Temperature				
0.45 MPa, not annealed	210	--	°C	ISO 75-2/B
1.8 MPa, not annealed	190	--	°C	ISO 75-2/A
Melting Temperature (DSC)	222	--	°C	ISO 3146
Electrical	Dry	Conditioned	Unit	Test Method
Dielectric Strength (1.00 mm)	30	--	kV/mm	IEC 60243-1
Relative Permittivity (1 MHz)	3.80	--		IEC 60250
Comparative Tracking Index	550	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
1.60 mm	HB	--		UL 94
3.20 mm	HB	--		UL 94
Additional Information				

干燥
ISO Description: PA6, MHR, 14-070 N, GF15+GB15The value listed as Melting Point, ISO 3146, was tested in accordance with ISO 11357.

调节后的
ISO Description: PA6, MHR, 14-070 N, GF15+GB15

Injection	Dry	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Suggested Max Moisture	0.090	%	
Suggested Max Regrind	20	%	
Rear Temperature	255 - 280	°C	
Middle Temperature	270 - 285	°C	
Front Temperature	270 - 280	°C	
Processing (Melt) Temp	275	°C	
Mold Temperature	80.0	°C	
Injection Pressure	71.5	MPa	
Holding Pressure	42.9	MPa	
Screw L/D Ratio	20.0:1.0		
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

