PENTAMID B GV35 H natur

Polyamide 6

PENTAC Polymer GmbH

Message:

Normal viscosity, heat stabilised polyamide 6, 35% glass fiber reinforced

General Information				
Filler / Reinforcement	Glass fiber reinforced material, 35% filler by weight			
Additive	heat stabilizer			
Features	Thermal Stability			
Agency Ratings	EC 1907/2006 (REACH)			
Appearance	Natural color			
Forms	Particle			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Density	1.41	--	g/cm³	ISO 1183
Molding Shrinkage				ISO 294-4
Vertical flow direction	0.50	--	%	ISO 294-4
Flow direction	0.30	--	%	ISO 294-4
Water Absorption				ISO 62
Saturated, 23°C	6.2	--	%	ISO 62
Equilibrium, 23°C, 50% RH	2.0	--	%	ISO 62
Viscosity Number	145	--	cm³/g	ISO 307
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Ball Indentation Hardness (H 961/30)	230	--	MPa	ISO 2039-1
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	10400	6700	MPa	ISO 527-2/1
Tensile Stress (Break)	190	115	MPa	ISO 527-2
Tensile Strain (Break)	3.0	5.0	%	ISO 527-2
Flexural Modulus	9100	--	MPa	ISO 178
Flexural Stress	240	--	MPa	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	17	20	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	95	100	kJ/m²	ISO 179/1eU
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Heat Deflection Temperature				
0.45 MPa, not annealed	215	--	°C	ISO 75-2/B
1.8 MPa, not annealed	210	--	°C	ISO 75-2/A

Melting Temperature (DSC)	222	--	°C	ISO 3146
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Dielectric Strength (1.00 mm)	35	--	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, 14-100 N, GF35The value listed as Melting Point, ISO 3146, was tested in accordance with ISO 11357.

调节后的
ISO Description: PA6, MHR, 14-100 N, GF35

Injection	Dry	Unit
Drying Temperature	80.0	°C
Drying Time	3.0	hr
Suggested Max Moisture	0.090	%
Suggested Max Regrind	20	%
Rear Temperature	260 - 285	°C
Middle Temperature	275 - 290	°C
Front Temperature	275 - 285	°C
Processing (Melt) Temp	280	°C
Mold Temperature	80.0	°C
Injection Pressure	75.0	MPa
Holding Pressure	45.0	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


WECHAT