

PENTAMID AB S GV30 H black

Polyamide 66/6 Copolymer

PENTAC Polymer GmbH

Message:

Low viscosity, heat stabilised polyamide 66+6, 30% glass fiber reinforced

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	heat stabilizer		
Features	Low viscosity		
	Thermal Stability		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Transverse flow	0.65	%	ISO 294-4
Flow	0.35	%	ISO 294-4
Water Absorption			ISO 62
Saturated, 23°C	5.4	%	ISO 62
Equilibrium, 23°C, 50% RH	1.8	%	ISO 62
Viscosity Number	125	cm ³ /g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10600	MPa	ISO 527-2/1
Tensile Stress (Break)	165	MPa	ISO 527-2/5
Tensile Strain (Break)	2.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	60	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	250	°C	ISO 75-2/B
1.8 MPa, not annealed	235	°C	ISO 75-2/A
Melting Temperature	255	°C	ISO 11357-3
Flammability	Nominal Value		Test Method
Flame Rating (3.2 mm)	HB		UL 94
Additional Information	Nominal Value		Test Method

ISO Shortname	PA66+PA6, MHRC, 12-100 N, GF30	ISO 1874
Injection	Nominal Value	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	265 - 305	°C
Mold Temperature	60 - 100	°C
Injection Pressure	72.0	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

