

PENTAMID AB SK H natur

Polyamide 66/6 Copolymer

PENTAC Polymer GmbH

Message:

normal viscosity polyamide 66+6, easy flowing, fast cycle times

General Information				
Features		Fast molding cycle		
		Good liquidity		
Uses		Switch		
		Shell		
Agency Ratings		EC 1907/2006 (REACH)		
Appearance		Natural color		
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.13	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Vertical flow direction	1.9	--	%	ISO 294-4
Flow direction	1.8	--	%	ISO 294-4
Water Absorption				ISO 62
Saturated, 23°C	8.5	--	%	ISO 62
Equilibrium, 23°C, 50% RH	3.0	--	%	ISO 62
Viscosity Number	145	--	cm ³ /g	ISO 307
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness (H 358/30)	160	--	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3100	1200	MPa	ISO 527-2/1
Tensile Stress (Yield)	85.0	50.0	MPa	ISO 527-2
Tensile Strain (Yield)	5.0	20	%	ISO 527-2
Flexural Modulus	3100	--	MPa	ISO 178
Flexural Stress	115	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	7.0	--	kJ/m ²	ISO 179/1eA
23°C	8.0	20	kJ/m ²	ISO 179/1eA

Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	90	--	kJ/m ²	ISO 179/1eU
23°C	No Break	No Break		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	70.0	--	°C	ISO 75-2/A
Melting Temperature (DSC)	255	--	°C	ISO 3146
Electrical	Dry	Conditioned	Unit	Test Method
Dielectric Strength (1.00 mm)	30	--	kV/mm	IEC 60243-1
Relative Permittivity (1 MHz)	3.20	--		IEC 60250
Comparative Tracking Index	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
1.60 mm	V-2	--		UL 94
3.20 mm	V-2	--		UL 94
Additional Information				

干燥
ISO Description: PA66+6, MHR, 14-030 N The value listed as Melting Point, ISO 3146, was tested in accordance with ISO 11357.

调节后的
ISO Description: PA66+6, MHR, 14-030 N

Injection	Dry	Unit
Drying Temperature	80.0	°C
Drying Time	3.0	hr
Suggested Max Moisture	0.14	%
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	50.0	MPa
Holding Pressure	30.0	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.

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

