

PENTAMID A E5 H black

Polyamide 66
PENTAC Polymer GmbH

Message:
Normal viscosity, elastomeric modified, heat stabilised polyamide 66

General Information				
Additive		Impact modifier (5%) heat stabilizer		
Features		Impact modification Thermal Stability		
Agency Ratings		EC 1907/2006 (REACH)		
Appearance		Black		
Forms		Particle		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.10	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturated, 23°C	7.5	--	%	ISO 62
Equilibrium, 23°C, 50% RH	2.5	--	%	ISO 62
Viscosity Number	140	--	cm ³ /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2700	1350	MPa	ISO 527-2/1
Tensile Stress (Yield)	65.0	55.0	MPa	ISO 527-2/50
Tensile Strain				
Yield	4.0	15	%	ISO 527-2/50
Fracture	25	100	%	ISO 527-2/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	20	30	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break	No Break		ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	200	--	°C	ISO 75-2/B
Melting Temperature	260	--	°C	ISO 11357-3
Electrical	Dry	Conditioned	Unit	Test Method
Dielectric Strength	100	--	kV/mm	IEC 60243-1

Dielectric Constant (1 MHz)	3.40	--		IEC 60250
Comparative Tracking Index	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
1.6 mm	HB	--		UL 94
3.2 mm	HB	--		UL 94
Additional Information	Dry	Conditioned		Test Method
ISO Shortname	PA66-I, MHRC, 14-030 N	--		ISO 1874
Injection	Dry	Unit		
Drying Temperature	80		°C	
Drying Time	3.0		hr	
Suggested Max Moisture	0.10 - 0.18		%	
Suggested Max Regrind	20		%	
Rear Temperature	260 - 280		°C	
Middle Temperature	265 - 290		°C	
Front Temperature	270 - 280		°C	
Processing (Melt) Temp	260 - 290		°C	
Mold Temperature	60 - 100		°C	
Injection Pressure	62.5		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

