

Kingfa NH-627 Flame Retardant ABS

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Unreinforced, Flame Retardant

Material Notes:

Features:UL 94 V-2 @ 1.6mmHalogen-free flame retardantHigh flowApplications:OA deviceDigital cameraVidiconInformation Provided by Kingfa Sci. & Tech. Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kingfa-NH-627-Flame-Retardant-ABS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D792
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D955
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Melt Flow	5.0 g/10 min	5.0 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 200 Å°C	@Load 11.0 lb, Temperature 392 Å°F	
	55 g/10 min	55 g/10 min	ASTM D1238
	@Load 10.0 kg, Temperature 220 Å°C	@Load 22.0 lb, Temperature 428 Å°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	102	102	ASTM D785
Tensile Strength at Break	45.0 MPa	6530 psi	50mm/min; ASTM D638
Elongation at Break	10 %	10 %	50mm/min; ASTM D638
Flexural Strength	70.0 MPa	10200 psi	2mm/min; ASTM D790
Flexural Modulus	2.50 GPa	363 ksi	2mm/min; ASTM D790
Izod Impact, Notched	1.25 J/cm	2.34 ft-lb/in	ASTM D256
	@Thickness 6.40 mm, Temperature 23.0 Å°C	@Thickness 0.252 in, Temperature 73.4 Å°F	
	1.45 J/cm	2.72 ft-lb/in	ASTM D256
	@Thickness 3.20 mm, Temperature 23.0 Å°C	@Thickness 0.126 in, Temperature 73.4 Å°F	

Thermal Properties	Metric	English	Comments
--------------------	--------	---------	----------

Thermal Properties	Metric	English	Comments
Thermal Deflection Temperature at 0.46 MPa (66 psi)	80.0 Å°C @Thickness 6.40 mm	176 Å°F @Thickness 0.252 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	72.0 Å°C @Thickness 6.40 mm	162 Å°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	81.0 Å°C @Load 5.00 kg	178 Å°F @Load 11.0 lb	50Å°C/min; ASTM D1525
	90.0 Å°C @Load 1.00 kg	194 Å°F @Load 2.20 lb	120Å°C/min; ASTM D1525
Flammability, UL94	V-2 @Thickness 1.60 mm	V-2 @Thickness 0.0630 in	
	V-2 @Thickness 0.800 mm	V-2 @Thickness 0.0315 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257
Dielectric Strength	22.0 kV/mm	559 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Processing Temperature	<= 250 Å°C	<= 482 Å°F	
Rear Barrel Temperature	180 - 200 Å°C	356 - 392 Å°F	Start Point: 190Å°C
Middle Barrel Temperature	190 - 210 Å°C	374 - 410 Å°F	Start Point: 200Å°C
Front Barrel Temperature	195 - 220 Å°C	383 - 428 Å°F	Start Point: 210Å°C
Melt Temperature	200 - 230 Å°C	392 - 446 Å°F	Start Point: 215Å°C
Mold Temperature	30.0 - 60.0 Å°C	86.0 - 140 Å°F	Start Point: 50Å°C
Drying Temperature	70.0 Å°C @Time 7200 sec	158 Å°F @Time 2.00 hour	Pre-dry
Back Pressure	0.000 - 1.00 MPa	0.000 - 145 psi	

Descriptive Properties	Value	Comments
Injection Speed	Slow to Moderate	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China