

FRIANYL® B3 V0

Polyamide 66
Nilit Plastics

Message:

FLAME RETARDANT COMPOUND
HALOGENS AND RED PHOSPHOROUS FREE REINFORCED AND UNREINFORCED
RED PHOSPHOROUS GLASS FIBER REINFORCED
HALOGENS REINFORCED AND UNREINFORCED
HALOGENS ANTIMONY TRIOXIDE FREE
MORE THAN 80 PRODUCTS UL AND VDE LISTED
WIDE RANGE OF COLORS
PA6, UNFILLED, FLAME RETARDANT V0

General Information			
Additive	Flame retardancy		
Features	Flame retardancy		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.20	g/cm³	ISO 1183
Molding Shrinkage			ISO 294-4
Transverse flow: 23°C	1.5	%	ISO 294-4
Flow: 23°C	1.5	%	ISO 294-4
Water Absorption			ISO 62
23°C, 24 hr	2.0	%	ISO 62
Saturated, 23°C	8.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3450	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	70.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	8.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	3.0	kJ/m²	ISO 179/1eA
23°C	3.5	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		ISO 179/1eU
23°C	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	185	°C	ISO 75-2/B
1.8 MPa, not annealed	85.0	°C	ISO 75-2/A
Continuous Use Temperature ¹	125	°C	IEC 60216
Ball Pressure Test			IEC 60695-10-2

125°C	Pass		IEC 60695-10-2
165°C	Pass		IEC 60695-10-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	1.0E+16	ohms·cm	IEC 60093
Comparative Tracking Index (3.20 mm, Solution A)	600	V	IEC 60112
Needle Flame Test			IEC 60695-11-5
1.00 mm	Pass		IEC 60695-11-5
2.00 mm	Pass		IEC 60695-11-5
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.40 mm	V-0		UL 94
0.8 mm	V-0		UL 94
1.6 mm	V-0		UL 94
3.2 mm	V-0		UL 94
Glow Wire Flammability Index			IEC 60695-2-12
0.8 mm	960	°C	IEC 60695-2-12
3.2 mm	960	°C	IEC 60695-2-12
Oxygen Index	32	%	ISO 4589-2
NOTE			
1.	20000 hr		

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

