

Technical Data Sheet

Vitamide AK40N 0-0226

Polyamide 66

Product Description

Vitamide AK40N 0-0226 is a Polyamide 66 material and is typically used in Injection Molding applications. Features include: Fast Molding Cycle, and Nucleated.

Processing Method	Injection Molding
Attribute	Fast Molding Cycle; Nucleated
Additive	Nucleating Agent
Application	Lighting Fixtures

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density	1.14	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	90	MPa	ISO 527-2
Tensile Strain at Break	20	%	ISO 527-2
Flexural Modulus	3000	MPa	ISO 178
Flexural Stress	125	MPa	ISO 178
Impact			
Notched Izod Impact Strength	4	kJ/m ²	ISO 180
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	>200	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	95	°C	ISO 75-2/A
DSC Melting Point	260	°C	ISO 3146
Electrical			
Dielectric Strength, (2.00 mm)	27	kV/mm	IEC 60243-1
Comparative Tracking Index (CTI), (Solution A)	600	V	IEC 60112
Surface Resistivity	1E+15	ohm	IEC 60093
Flammable			
Glow Wire Ignition Temperature	750	°C	IEC 60695-2-13
UL Information			
Flame Rating	V-2		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	3.0 to 4.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	270 to 290	°C
Mold Temperature	60 to 100	°C