

Technical Data Sheet

Vitamide AI10BK 3006/1



Polyamide 66

Product Description

Vitamide AI10BK 3006/1 is a Polyamide 66 material and is typically used in Injection Molding applications. Features include: Impact Modified.

Processing Method	Injection Molding
Attribute	Impact Modified
Additive	Impact Modifier

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density	1.12	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	75	MPa	ISO 527-2
Tensile Strain at Break	30	%	ISO 527-2
Flexural Modulus	2600	MPa	ISO 178
Flexural Stress	100	MPa	ISO 178
Impact			
Notched Izod Impact Strength	8	kJ/m ²	ISO 180
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	185	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	80	°C	ISO 75-2/A
DSC Melting Point	255	°C	ISO 3146
UL Information			
Flame Rating	HB		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