

Technical Data Sheet

Vitamide AF10 GREY 6-1710

Polyamide 66

Product Description

Vitamide AF10 GREY 6-1710 is a Polyamide 66 material and is typically used in Injection Molding applications.

Processing Method Injection Molding

Additive Flame Retardant

Application Electrical Parts

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density	1.13	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	85	MPa	ISO 527-2
Tensile Strain at Break	20	%	ISO 527-2
Flexural Modulus	2900	MPa	ISO 178
Flexural Stress	105	MPa	ISO 178
Impact			
Notched Izod Impact Strength	5	kJ/m ²	ISO 180
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	223	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	80	°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
UL Information			
Flame Rating	V-2		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	4.0 to 6.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	260 to 280	°C
Mold Temperature	60 to 100	°C