Technical Data Sheet

Vitamide AR16NT 6029

Polyamide 66

Product Description

General purpose, 30% Glass filled Polyamide 66. Suitable for a wide range of applications this grade offers a good balance of flow, tensile, flexural and impact strength. Available with enhanced UV (AR26), heat stability (AR36), Oil Heat Glycol Hydrolysis resistance (AR66), UV and Heat resistance (AR76) and Hydrolysis resistance (AR86).Colour matched compounds and customer specific performance requirements are available on request.

Processing Method	Injection Molding
Filler/Reinforcement	Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density	1.37	g/cm³	ISO 1183
Mechanical			
Tensile Strain at Break	4	%	ISO 527-2
Flexural Modulus	10000	MPa	ISO 178
Tensile Stress at Break	190	MPa	ISO 527-2
Flexural Stress	260	MPa	ISO 178
Impact			
Notched Izod Impact Strength	14	kJ/m²	ISO 180
Hardness			
Rockwell Hardness, (R-Scale)	120		ISO 2039-2
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	260	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	255	°C	ISO 75-2/A
DSC Melting Point	260	°C	ISO 3146
Electrical			
Comparative Tracking Index (CTI), (Solution A)	450	V	IEC 60112
Surface Resistivity	1000000000 00000	ohm	IEC 60093
Flammable			
Burning Rate, (FMVSS 302)	<100	mm/min	FMVSS 302
Glow Wire Flammability Index	700	°C	IEC 60695-2-12
Additional Information			
Molding Shrinkage	0.35	%	ISO 294-4
Water Absorption 24h/23C	1.1	%	ISO 62
UL Information			
Flame Rating, (1.6 mm)	HB		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	3.0 to 4.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	280 to 300	°C
Mold Temperature	60 to 120	°C