KITAN B FV15H E21A U1

PA6-GF15 MAIP SRL

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**75**	g/10min	ISO 1133
Temperature	**275**	°C	-
Load	**5**	kg	-
Molding shrinkage, parallel	**0.3**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.9**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**5200**	MPa	ISO 527
Stress at break	**110**	MPa	ISO 527
Strain at break	**7**	%	ISO 527
Flexural modulus, 23°C	**4400**	MPa	ISO 178
Flexural strength	**160**	MPa	ISO 178
Izod notched impact strength, +23°C	**9**	kJ/m²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**220**	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	**55**	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	**185**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**205**	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**35**	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	**80**	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	**HB**	class	IEC 60695-11-10
Burning rate, FMVSS, Thickness 1 mm	**20**	mm/min	ISO 3795 (FMVSS 302)
Glow Wire Flammability Index (GWFI)	**650**	°C	IEC 60695-2-12
GWFI - thickness tested (1)	**2**	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	**1E13**	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Density	**1230**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**4 - 20**	h	-
Processing humidity	**≤0.1**	%	-
Melt temperature	**260 - 280**	°C	-
Mold temperature	**70 - 100**	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

Europe

Special Characteristics

High impact or impact modified, U.V. stabilized or stable to weather, Heat stabilized or stable to heat