KITAN Q FV40H

PA6T/66/6I-GF40 MAIP SRL

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.1**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.6**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**13000**	MPa	ISO 527
Stress at break	**230**	MPa	ISO 527
Strain at break	**3**	%	ISO 527
Flexural modulus, 23°C	**11900**	MPa	ISO 178
Flexural strength	**310**	MPa	ISO 178
Charpy notched impact strength, +23°C	**12.5**	kJ/m²	ISO 179/1eA
Izod impact strength, +23°C	**80**	kJ/m²	ISO 180/1U
Izod notched impact strength, +23°C	**14**	kJ/m²	ISO 180/1A
Rockwell hardness	**R 123**	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**260**	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	**70**	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	**235**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**255**	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**20**	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	**100**	mm/min	ISO 3795 (FMVSS 302)
Glow Wire Flammability Index (GWFI)	**650**	°C	IEC 60695-2-12
GWFI - thickness tested (1)	**1.5**	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	**1E12**	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Density	**1470**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**4 - 12**	h	-
Processing humidity	**≤0.05**	%	-
Melt temperature	**280 - 300**	°C	-
Mold temperature	**80 - 100**	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

Europe