KITAN D FV20H

PA12-GF MAIP SRL

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.2**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.8**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**4700**	MPa	ISO 527
Stress at break	**100**	MPa	ISO 527
Strain at break	**7**	%	ISO 527
Flexural modulus, 23°C	**4500**	MPa	ISO 178
Flexural strength	**120**	MPa	ISO 178
Izod notched impact strength, +23°C	**15**	kJ/m²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**178**	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**160**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**175**	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**30**	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	**120**	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)

Electrical properties	Value	Unit	Test Standard
ISO Data			
Surface resistivity	**1E13**	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	**1750**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**2 - 12**	h	-
Processing humidity	**≤0.08**	%	-
Melt temperature	**230 - 270**	°C	-
Mold temperature	**50 - 80**	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

Europe