KITAN D 30L621J

PA12 MAIP SRL

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**1**	g/10min	ISO 1133
Temperature	**250**	°C	-
Load	**5**	kg	-
Molding shrinkage, parallel	**0.8**	%	ISO 294-4, 2577
Molding shrinkage, normal	**1.8**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**600**	MPa	ISO 527
Yield stress	**30**	MPa	ISO 527
Strain at break	**100**	%	ISO 527
Flexural modulus, 23°C	**500**	MPa	ISO 178
Flexural strength	**23**	MPa	ISO 178
Charpy notched impact strength, +23°C	**100**	kJ/m²	ISO 179/1eA
Izod impact strength, +23°C	**N**	kJ/m²	ISO 180/1U
Izod notched impact strength, +23°C	**110**	kJ/m²	ISO 180/1A
Shore D hardness	**67**	-	ISO 7619-1
Rockwell hardness	**R 60**	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**176**	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	**40**	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	**45**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**80**	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**180**	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	**180**	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			
Volume resistivity	**1E12**	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Density	**1000**	kg/m³	ISO 1183

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**2 - 12**	h	-
Processing humidity	**≤0.08**	%	-
Melt temperature	**220 - 260**	°C	-

Characteristics

Processing

Other Extrusion

Regional Availability

Europe

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat