

KITAN D 30X6HW

PA12

MAIP SRL

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	3	g/10min	ISO 1133
Temperature	235	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	1.0	%	ISO 294-4, 2577
Molding shrinkage, normal	1.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	750	MPa	ISO 527
Yield stress	29	MPa	ISO 527
Stress at break	39	MPa	ISO 527
Strain at break	60	%	ISO 527
Flexural modulus, 23°C	680	MPa	ISO 178
Charpy notched impact strength, +23°C	90	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	60	kJ/m ²	ISO 180/1A
Shore D hardness	68	-	ISO 7619-1

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	120	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	140	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	1E10	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Density	990	kg/m ³	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

Chemical Resistance

Hydrolytically Stable

Special Characteristics

High impact or impact modified

Regional Availability

Europe